

Converting Colors

XYZ(97.9414, 135.0469,
82.2590)

Have a look what the booklet for
XYZ(97.9414, 135.0469, 82.2590)
contains.

XYZ(75.8368, 90.8221, 75.1614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.8368, 90.8221,
75.1614)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFD3
RGB	216, 255, 211
RGB Percent	85%, 100%, 83%
CMY	0.1529, 0.0000, 0.1725
CMYK	0.15, 0.00, 0.17, 0.00
HSL	113°, 100%, 91%
HSV	113°, 17%, 100%
XYZ	75.8368, 90.8221, 75.1614
YIQ	238.3230, -9.1200, -21.9520

Conversions

Conversions Part 2

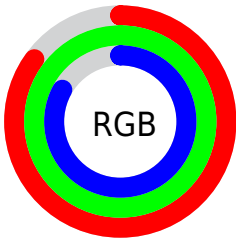
Format	Color
RYB	211, 255, 250
Decimal	14221267
CIELab	96.34, -20.46, 16.93
CIELCh	96, 26.555, 140.397
Yxy	90.8221, 0.3136, 0.3756
Android (android.graphics.Color)	4292411347 (0xFFD8FFD3)
YUV	238.3230, -13.4702, -19.5773
Hunter-Lab	95.3006, -24.7322, 19.9498

Details

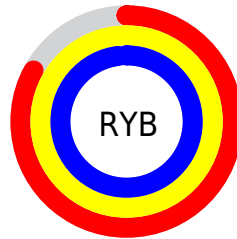
The XYZ color **75.8368, 90.8221, 75.1614** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.7694, 74.1337, 104.6600**, and the grayscale version is **81.6240, 85.8748, 93.5177**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8928, 50.3655, 39.0187** is the 20% darker color. If you saturate the color by 10%, you get **66.6642, 86.4340, 59.3472**, and if you desaturate by 10%, it is **86.4364, 95.8872, 93.6923**.

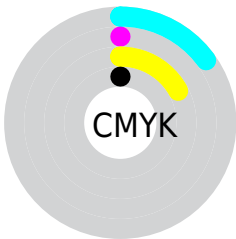
Distribution



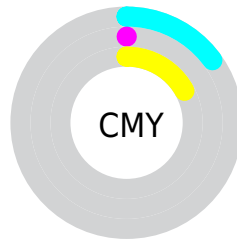
- Red (85%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (98%)



- Cyan (15%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8368, 90.8221, 75.1614 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.8368, 90.8221, 75.1614 by changing the saturation by 10% instead.


 75.8368, 90.8221,
75.1614

 75.8368, 90.8221,
75.1614


469.7418,
530.7015, 497.7424

 56.5953, 68.6627,
55.2426


126.4778,
148.4798, 128.2900

 40.9193, 50.4371,
39.1961


158.6079,
184.7469, 162.3369

 28.4434, 35.7608,
26.6033


195.7650,
226.4853, 201.9302

 18.8023, 24.2495,
17.0457

238.3144,
274.0795, 247.4885

 11.6307, 15.5188,
10.1048

286.6214,
327.9138, 299.4303

 6.5631, 9.1843,
5.3620

341.0514,

 3.2343, 4.8616,

388.3726, 358.1742

2.3987

401.9698,
455.8404, 424.1387

■ 1.2788, 2.1663,
0.7858

■ 0.1673, 0.7015,
0.0000

■ 75.8368, 90.8221,
75.1614

■ 75.8368, 90.8221,
75.1614

■ 66.6642, 86.4340,
59.3472

■ 86.4364, 95.8872,
93.6923

■ 58.8556, 82.6932,
46.1180

95.0500, 100.0000,
108.9000

■ 52.3460, 79.5693,
35.3378

■ 47.0645, 77.0288,
26.8561

■ 42.9330, 75.0352,
20.5061

■ 39.8647, 73.5478,
16.0983

■ 37.7600, 72.5201,
13.4102

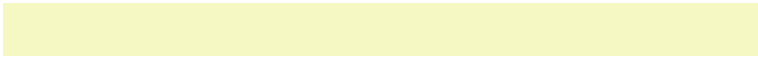
■ 36.4977, 71.8958,
12.1547

■ 36.2660, 71.7808,
11.9437

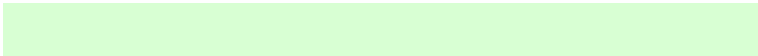
Harmonies

Analogous

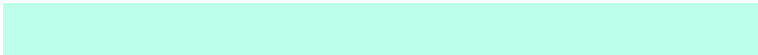
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4677, 90.8221, 65.4549



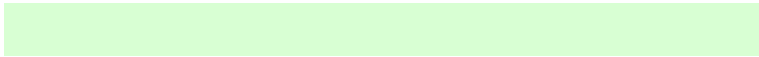
75.8368, 90.8221, 75.1614



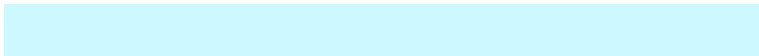
73.0638, 90.8221, 92.2587

Triad

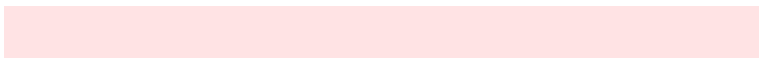
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8368, 90.8221, 75.1614



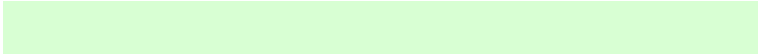
83.9761, 90.8221, 144.6605



100.3316, 90.8221, 85.3802

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.8368, 90.8221, 75.1614



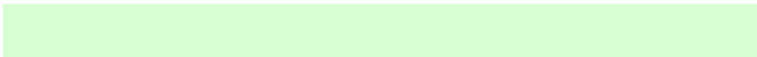
80.7694, 74.1337, 104.6600

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.0980, 90.8221, 105.8313



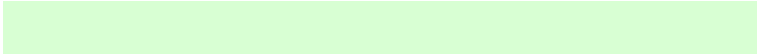
75.8368, 90.8221, 75.1614



91.3689, 90.8221, 142.1234

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8368, 90.8221, 75.1614



77.5830, 90.8221, 133.6562



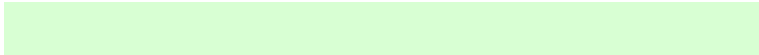
97.7353, 90.8221, 127.1505



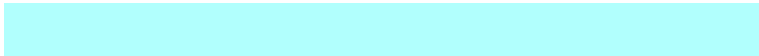
95.6974, 90.8221, 70.7446

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8368, 90.8221, 75.1614



73.0944, 90.8221, 106.4137



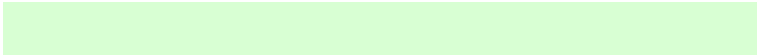
97.7353, 90.8221, 127.1505



101.0600, 90.8221, 91.7293

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.8374, 90.8224, 75.1628



89.0284, 97.1251, 98.2561



87.1424, 94.2518, 75.2289



18.8810, 20.7053, 20.7230



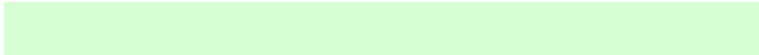
0.0000, 0.0000, 0.0000



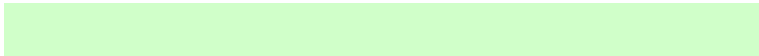
20.3446, 21.4041, 23.3091

Same Dimension

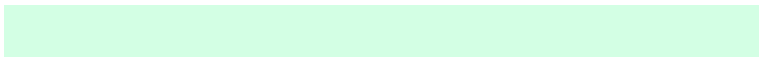
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8374, 90.8224, 75.1628



72.2374, 89.1008, 68.9272



76.6098, 90.9633, 86.8226



17.9632, 20.2669, 19.1095



19.0103, 37.5383, 6.2437



1.9100, 3.6854, 0.6107

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



80.7694, 74.1337, 104.6600



78.0784, 69.3276, 103.8741



79.9871, 74.0305, 91.0658



18.5775, 18.1894, 22.7817



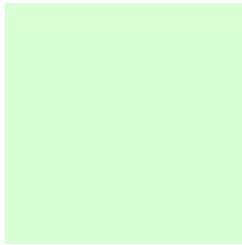
25.9053, 12.2651, 50.4366



2.5776, 1.2227, 4.9134

Previews

White Background



This preview shows how the XYZ color 75.8368, 90.8221, 75.1614 looks on a white background.

Color Contrast Check

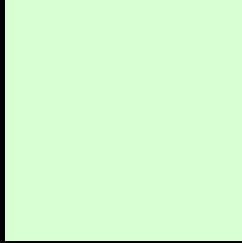
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.8368, 90.8221, 75.1614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

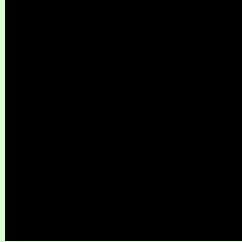
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

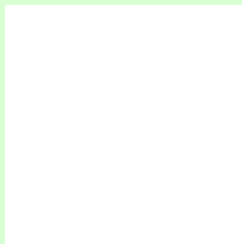
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8368, 90.8221, 75.1614

Background



This preview shows how black text looks on a background with the XYZ color 75.8368, 90.8221, 75.1614.



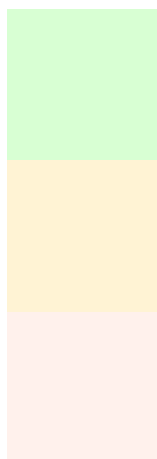
This preview shows how white text looks on a background with the XYZ color 75.8368, 90.8221,

75.1614.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.8368, 90.8221, 75.1614

Protanopia

85.1743, 90.1147, 75.1921

Deuteranopia

87.8356, 90.2267, 92.1429



Tritanopia

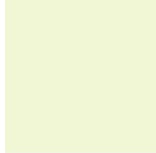
85.2667, 90.7937, 107.6386

Trichromacy



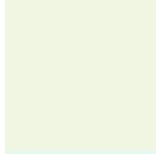
Original Color

75.8368, 90.8221, 75.1614



Protanomaly

81.4201, 89.9758, 75.3631



Deuteranomaly

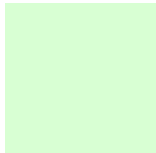
83.0965, 90.1584, 85.6957



Tritanomaly

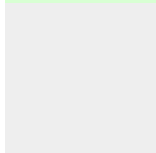
81.4506, 90.4773, 94.8323

Monochromacy



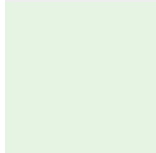
Original Color

75.8368, 90.8221, 75.1614



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9874, 87.1258, 86.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8368, 90.8221, 75.1614 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 211)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 75.8368, 90.8221, 75.1614 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 211) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(216, 255, 211) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(216, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8368, 90.8221, 75.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 211) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
255, 211) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor