

Converting Colors

XYZ(98.5607, 136.5045,
73.3272)

Have a look what the booklet for
XYZ(98.5607, 136.5045, 73.3272)
contains.

XYZ(75.8480, 91.0351, 65.7985)	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(75.8480, 91.0351,
65.7985)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFC4
RGB	222, 255, 196
RGB Percent	87%, 100%, 77%
CMY	0.1294, 0.0000, 0.2314
CMYK	0.13, 0.00, 0.23, 0.00
HSL	94°, 100%, 88%
HSV	94°, 23%, 100%
XYZ	75.8480, 91.0351, 65.7985
YIQ	238.4070, -0.7290, -25.3450

Conversions

Conversions Part 2

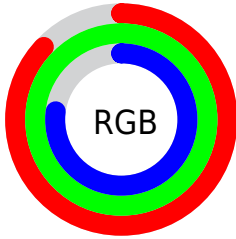
Format	Color
RYB	196, 255, 229
Decimal	14614468
CIELab	96.42, -20.82, 24.75
CIELCh	96, 32.337, 130.069
Yxy	91.0351, 0.3260, 0.3912
Android (android.graphics.Color)	4292804548 (0xFFDEFFC4)
YUV	238.4070, -20.9067, -14.3889
Hunter-Lab	95.4123, -25.0730, 25.9009

Details

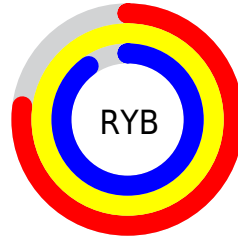
The XYZ color **75.8480, 91.0351, 65.7985** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1040, 63.3591, 103.1424**, and the grayscale version is **81.7403, 85.9972, 93.6509**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **40.8025, 50.4482, 33.1781** is the 20% darker color. If you saturate the color by 10%, you get **69.0021, 87.8133, 51.5927**, and if you desaturate by 10%, it is **83.5579, 94.6453, 82.6224**.

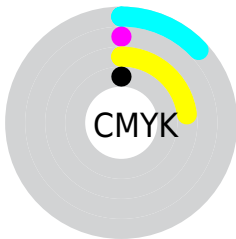
Distribution



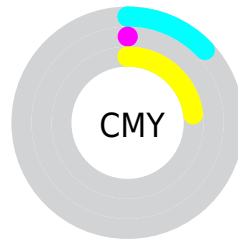
- Red (87%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8480, 91.0351, 65.7985 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 75.8480, 91.0351, 65.7985 by changing the saturation by 10% instead.


 75.8480, 91.0351,
65.7985

 75.8480, 91.0351,
65.7985


469.7796,
531.3923, 464.0404

 56.6045, 68.8395,
47.6534


126.4935,
148.7754, 114.8213

 40.9267, 50.5810,
33.1944


158.6263,
185.0888, 146.5361

 28.4492, 35.8752,
22.0031


195.7861,
226.8769, 183.6112

 18.8067, 24.3379,
13.6608

238.3384,
274.5242, 226.4652

 11.6339, 15.5844,
7.7491

286.6486,
328.4150, 275.5166

 6.5653, 9.2306,
3.8494

341.0819,

 3.2357, 4.8919,

388.9336, 331.1839

1.5431

402.0038,
456.4646, 393.8856

■ 1.2796, 2.1840,
0.2497

■ 0.1679, 0.7112,
0.0000

■ 75.8480, 91.0351,
65.7985

■ 75.8480, 91.0351,
65.7985

■ 69.0021, 87.8133,
51.5927

■ 83.5579, 94.6453,
82.6224

■ 62.9847, 84.9644,
39.8691

■ 92.1622, 98.6570,
102.1828

■ 57.7595, 82.4730,
30.4860

■ 95.0500, 100.0000,
108.9000

■ 53.2870, 80.3221,
23.2854

■ 49.5232, 78.4929,
18.0901

■ 46.4184, 76.9642,
14.6948

■ 43.9140, 75.7114,
12.8504

■ 42.4894, 74.9891,
12.2349

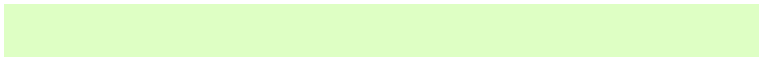
Harmonies

Analogous

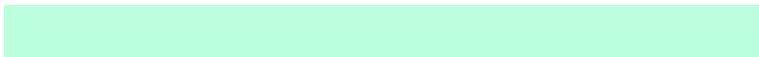
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5329, 91.0351, 57.8612



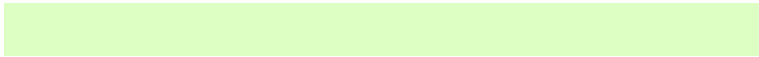
75.8480, 91.0351, 65.7985



71.2420, 91.0351, 83.1544

Triad

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



75.8480, 91.0351, 65.7985



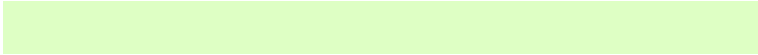
80.7547, 91.0351, 153.4554



104.7262, 91.0351, 90.6989

Complementary

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



75.8480, 91.0351, 65.7985



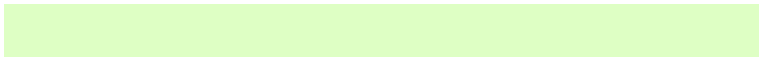
70.1040, 63.3591, 103.1424

Split Complementary

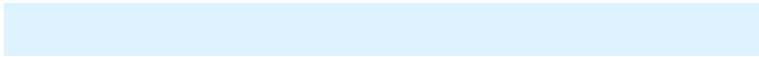
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.8534, 91.0351, 117.0125



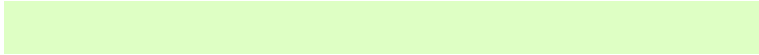
75.8480, 91.0351, 65.7985



89.5901, 91.0351, 156.4283

Square

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



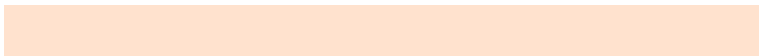
75.8480, 91.0351, 65.7985



73.9357, 91.0351, 134.6072



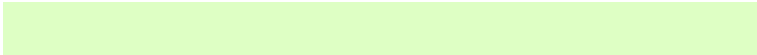
98.1622, 91.0351, 142.1384



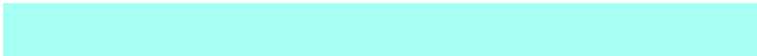
100.4704, 91.0351, 70.4948

Rectangle

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



75.8480, 91.0351, 65.7985



70.3345, 91.0351, 99.1816



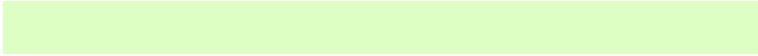
98.1622, 91.0351, 142.1384



105.0295, 91.0351, 99.0619

Sweetspot

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



75.8485, 91.0354, 65.7999



88.7298, 97.0585, 94.2933



79.0717, 80.9809, 63.6893



18.8797, 20.7223, 19.9270



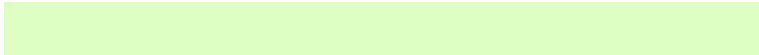
0.0000, 0.0000, 0.0000



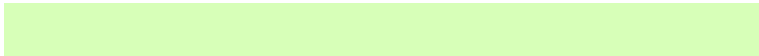
20.3446, 21.4041, 23.3091

Same Dimension

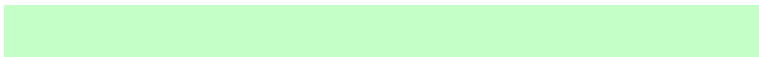
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8485, 91.0354, 65.7999



72.4130, 89.4207, 58.5712



68.8288, 87.3774, 67.2416



18.5312, 20.5598, 19.1361



22.3665, 39.2684, 6.4007



2.3008, 3.8868, 0.6290

Inverse Universe

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



70.1040, 63.3591, 103.1424



65.7044, 57.1083, 102.1677



78.5591, 67.7723, 101.0780



17.9750, 17.8788, 22.7535



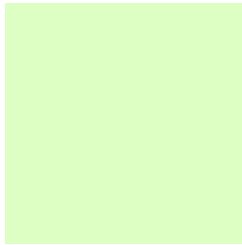
15.4915, 6.8966, 49.9493



1.6340, 0.7363, 4.8693

Previews

White Background



This preview shows how the XYZ color 75.8480, 91.0351, 65.7985 looks on a white background.

Color Contrast Check

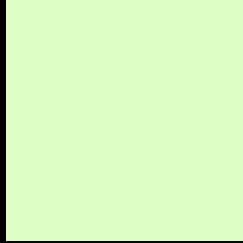
Large Text (above 18pt) WCAG AA × Fail

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 75.8480, 91.0351, 65.7985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

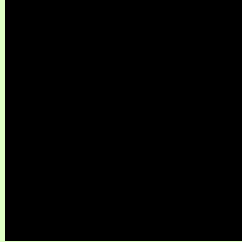
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

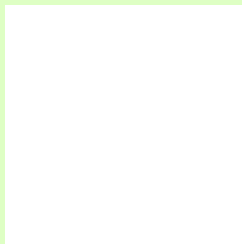
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8480, 91.0351, 65.7985

Background



This preview shows how black text looks on a background with the XYZ color 75.8480, 91.0351, 65.7985.



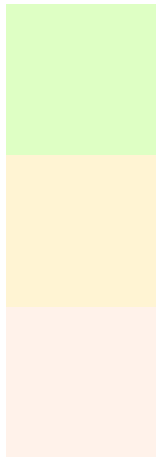
This preview shows how white text looks on a background with the XYZ color 75.8480, 91.0351,

65.7985.

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

75.8480, 91.0351, 65.7985

Protanopia

85.3486, 90.6645, 74.6297

Deuteranopia

87.8434, 90.7048, 90.7198



Tritanopia

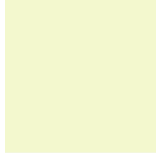
86.2990, 90.8755, 107.6000

Trichromacy



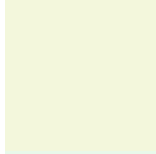
Original Color

75.8480, 91.0351, 65.7985



Protanomaly

81.6701, 90.6457, 71.5844



Deuteranomaly

83.1412, 90.7435, 80.8434



Tritanomaly

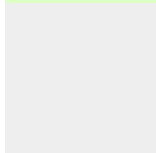
82.3312, 91.0155, 91.0703

Monochromacy



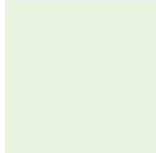
Original Color

75.8480, 91.0351, 65.7985



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9487, 87.1849, 82.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8480, 91.0351, 65.7985 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(222, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 196)  
}
```

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(222, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 75.8480, 91.0351, 65.7985 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(222, 255, 196) }
```


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

```
.border{ border-color:rgb(222, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8480, 91.0351, 65.7985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 196) }
```

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

```
.background{ background-color: rgb(222,  
255, 196) }
```

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](#).

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