

Converting Colors

XYZ(80.0044, 100.0000,
79.2937)

Have a look what the booklet for
XYZ(80.0044, 100.0000, 79.2937)
contains.

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Color

**XYZ(75.1771, 90.4233,
77.7812)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FFD7
RGB	212, 255, 215
RGB Percent	83%, 100%, 84%
CMY	0.1686, 0.0000, 0.1569
CMYK	0.17, 0.00, 0.16, 0.00
HSL	124°, 100%, 92%
HSV	124°, 17%, 100%
XYZ	75.1771, 90.4233, 77.7812
YIQ	237.5830, -12.7880, -21.5560

Conversions

Conversions Part 2

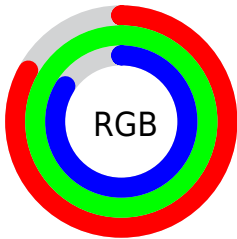
Format	Color
RYB	212, 252, 255
Decimal	13959127
CIELab	96.17, -21.10, 14.61
CIELCh	96, 25.666, 145.293
Yxy	90.4233, 0.3089, 0.3715
Android (android.graphics.Color)	4292149207 (0xFFD4FFD7)
YUV	237.5830, -11.1334, -22.4363
Hunter-Lab	95.0912, -25.2912, 18.0667

Details

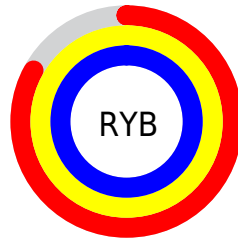
The XYZ color **75.1771, 90.4233, 77.7812** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.3544, 75.3759, 102.3034**, and the grayscale version is **81.0356, 85.2558, 92.8435**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4439, 50.0943, 40.7953** is the 20% darker color. If you saturate the color by 10%, you get **65.5668, 85.7960, 62.5574**, and if you desaturate by 10%, it is **86.3918, 95.8266, 95.3897**.

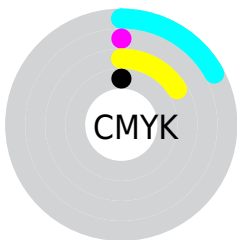
Distribution



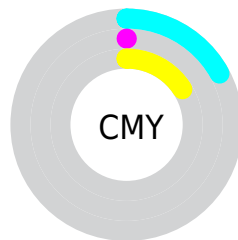
- Red (83%)
- Green (100%)
- Blue (84%)



- Red (83%)
- Yellow (99%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.1771, 90.4233, 77.7812 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 75.1771, 90.4233, 77.7812 by changing the saturation by 10% instead.


 75.1771, 90.4233,
77.7812

 75.1771, 90.4233,
77.7812


467.5139,
529.4069, 506.9317

 56.0527, 68.3318,
57.3789


125.5496,
147.9262, 132.0247

 40.4823, 50.1677,
40.8981


157.5284,
184.1064, 166.7030

 28.1007, 35.5467,
27.9204


194.5226,
225.7517, 206.9769

 18.5424, 24.0843,
18.0271

236.8978,
273.2463, 253.2652

 11.4421, 15.3962,
10.7998

285.0191,
326.9747, 305.9862

 6.4345, 9.0979,
5.8199

339.2520,

 3.1542, 4.8051,

387.3214, 365.5586

2.6689

399.9618,
454.6706, 432.4009

■ 1.2358, 2.1334,
0.9277

■ 0.1344, 0.6833,
0.0000

■ 75.1771, 90.4233,
77.7812

■ 75.1771, 90.4233,
77.7812

■ 65.5668, 85.7960,
62.5574

■ 86.3918, 95.8266,
95.3897

■ 57.4853, 81.9080,
49.6118

95.0500, 100.0000,
108.9000

■ 50.8544, 78.7213,
38.8362

■ 45.5881, 76.1941,
30.1117

■ 41.5910, 74.2800,
23.3084

■ 38.7557, 72.9266,
18.2813

■ 36.9569, 72.0731,
14.8648

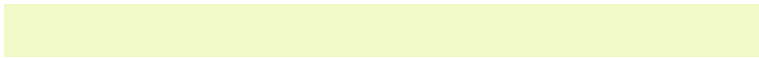
■ 36.0382, 71.6429,
12.8623

■ 35.8675, 71.5630,
12.4861

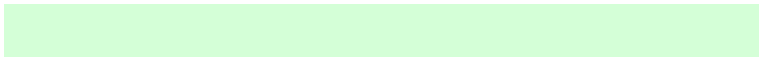
Harmonies

Analogous

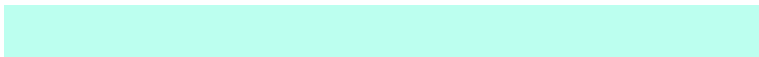
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2287, 90.4233, 67.0980



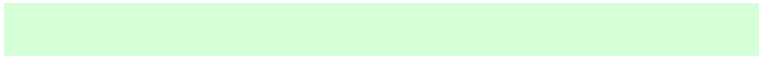
75.1771, 90.4233, 77.7812



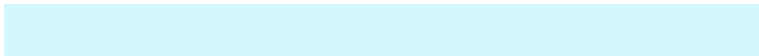
73.0131, 90.4233, 95.2738

Triad

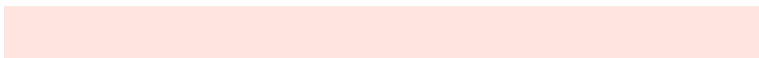
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1771, 90.4233, 77.7812



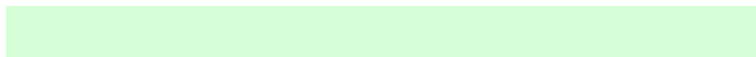
84.8263, 90.4233, 142.9153



98.9226, 90.4233, 82.6403

Complementary

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



75.1771, 90.4233, 77.7812



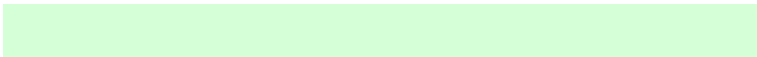
82.3544, 75.3759, 102.3034

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.



100.3194, 90.4233, 101.7074



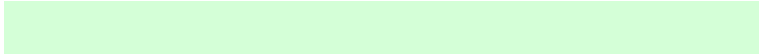
75.1771, 90.4233, 77.7812



91.9258, 90.4233, 138.3177

Square

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



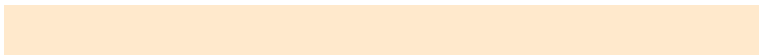
75.1771, 90.4233, 77.7812



78.3849, 90.4233, 134.3219



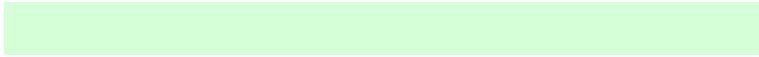
97.6941, 90.4233, 122.5028



93.9755, 90.4233, 69.6200

Rectangle

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



75.1771, 90.4233, 77.7812



73.4071, 90.4233, 109.1601



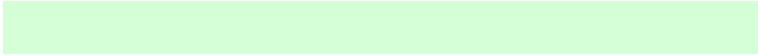
97.6941, 90.4233, 122.5028



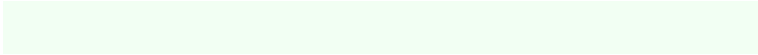
99.8341, 90.4233, 88.4749

Sweetspot

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



75.1778, 90.4237, 77.7826



88.6626, 96.9210, 98.9393



87.8371, 96.9939, 76.3805



18.7926, 20.6560, 20.8882



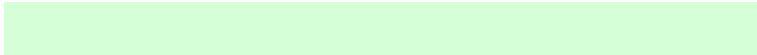
0.0000, 0.0000, 0.0000



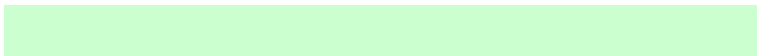
20.3446, 21.4041, 23.3091

Same Dimension

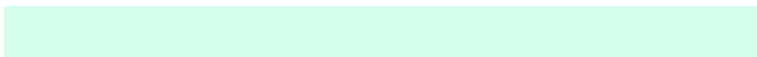
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1778, 90.4237, 77.7826



71.9928, 88.8898, 72.7535



78.1056, 91.5948, 93.1999



17.8230, 20.1887, 19.3708



18.7603, 37.4007, 6.6229



1.8437, 3.6484, 0.7348

Inverse Universe

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



82.3544, 75.3759, 102.3034



80.3151, 71.4386, 101.1877



79.1560, 74.0966, 85.4608



18.7347, 18.2772, 22.4862



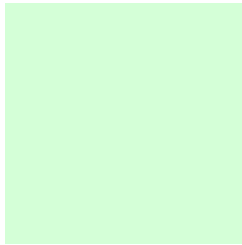
29.5750, 14.3193, 43.2739



2.8954, 1.4005, 4.2965

Previews

White Background



This preview shows how the XYZ color 75.1771, 90.4233, 77.7812 looks on a white background.

Color Contrast Check

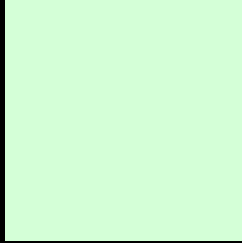
Large Text (above 18pt) WCAG AA × Fail

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 75.1771, 90.4233, 77.7812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

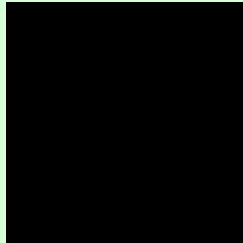
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

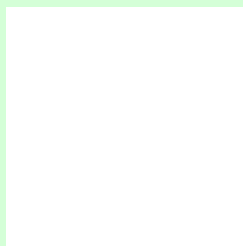
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.1771, 90.4233, 77.7812

Background



This preview shows how black text looks on a background with the XYZ color 75.1771, 90.4233, 77.7812.

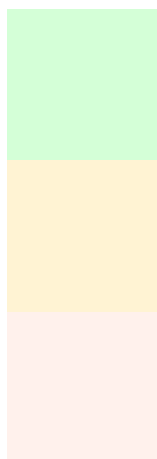


This preview shows how white text looks on a background with the XYZ color 75.1771, 90.4233,

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

75.1771, 90.4233, 77.7812

Protanopia

85.0485, 90.0643, 74.5296

Deuteranopia

87.8356, 90.2267, 92.1429



Tritanopia

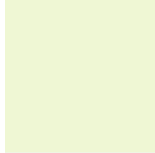
84.3067, 89.8485, 107.5068

Trichromacy



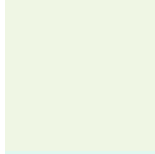
Original Color

75.1771, 90.4233, 77.7812



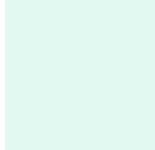
Protanomaly

80.7410, 89.6257, 75.3313



Deuteranomaly

82.5560, 89.8637, 86.3931



Tritanomaly

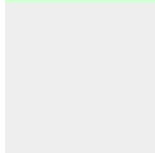
80.6552, 90.0502, 95.5685

Monochromacy



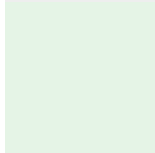
Original Color

75.1771, 90.4233, 77.7812



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9467, 87.0726, 87.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1771, 90.4233, 77.7812 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(212, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 215)  
}
```

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(212, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 75.1771, 90.4233, 77.7812 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(212, 255, 215) }
```


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

```
.border{ border-color:rgb(212, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1771, 90.4233, 77.7812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 215) }
```

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

```
.background{ background-color: rgb(212,  
255, 215) }
```

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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