

Converting Colors

XYZ(52.2814, 78.7615, 70.3224)

Have a look what the booklet for
XYZ(52.2814, 78.7615, 70.3224)
contains.

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Color

**XYZ(52.2589, 78.7526,
70.2040)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFCD
RGB	102, 255, 205
RGB Percent	40%, 100%, 80%
CMY	0.6000, 0.0000, 0.1961
CMYK	0.60, 0.00, 0.20, 0.00
HSL	160°, 100%, 70%
HSV	160°, 60%, 100%
XYZ	52.2589, 78.7526, 70.2040
YIQ	203.5530, -75.1380, -47.9860

Conversions

Conversions Part 2

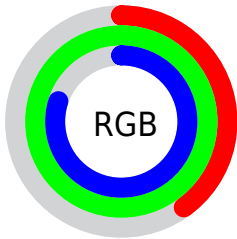
Format	Color
RYB	102, 193, 255
Decimal	6750157
CIELab	91.12, -52.12, 11.91
CIELCh	91, 53.461, 167.126
Yxy	78.7526, 0.2597, 0.3914
Android (android.graphics.Color)	4284940237 (0xFF66FFCD)
YUV	203.5530, 0.7134, -89.0620
Hunter-Lab	88.7427, -50.1843, 15.2158

Details

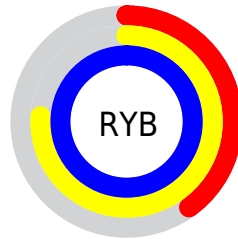
The XYZ color **52.2589, 78.7526, 70.2040** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.6595, 33.0306, 33.3595**, and the grayscale version is **57.1423, 60.1182, 65.4687**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **25.6648, 42.2249, 36.0757** is the 20% darker color. If you saturate the color by 10%, you get **48.8208, 77.0933, 64.9319**, and if you desaturate by 10%, it is **56.6405, 80.8920, 75.8026**.

Distribution



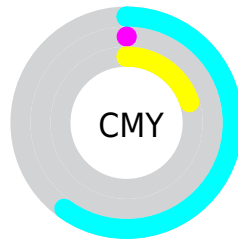
- Red (40%)
- Green (100%)
- Blue (80%)



- Red (40%)
- Yellow (76%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2589, 78.7526, 70.2040 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 52.2589, 78.7526, 70.2040 by changing the saturation by 10% instead.


 52.2589, 78.7526,
70.2040


 52.2589, 78.7526,
70.2040


385.7429,
490.7190, 480.0744


 37.4366, 58.6924,
51.2150


 92.6849, 131.6105,
121.1835

 25.7209, 42.3656,
36.0019


 119.0193,
165.1770, 154.0111

 16.7466, 29.3876,
24.1459


 149.9218,
204.0145, 192.2886

 10.1481, 19.3743,
15.2287

185.7577,
248.5072, 236.4346

 5.5603, 11.9410,
8.8316

226.8924,
299.0396, 286.8677

 2.6177, 6.7035,
4.5362

273.6913,

 0.9550, 3.2774,

355.9961, 344.0063

1.9239

326.5197,
419.7611, 408.2690

■ 0.0000, 1.2782,
0.5079

■ 0.0000, 0.1242,
0.0000

■ 52.2589, 78.7526,
70.2040

■ 52.2589, 78.7526,
70.2040

■ 48.8208, 77.0933,
64.9319

■ 56.6405, 80.8920,
75.8026

■ 46.2388, 75.8692,
59.9740


■ 62.0381, 83.5489,
81.7313


■ 44.4119, 75.0285,
55.3225

■ 68.5192, 86.7580,
87.9988

■ 43.1747, 74.4859,
50.9650

■ 76.1449, 90.5507,
94.6119

 43.1745, 74.4858,
50.9643

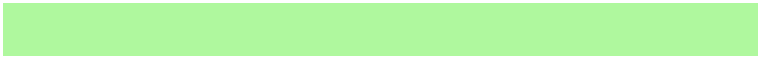
 84.9715, 94.9560,
101.5773

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.3690, 78.7526, 44.4077



52.2589, 78.7526, 70.2040



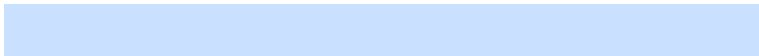
52.6527, 78.7526, 109.5968

Triad

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



52.2589, 78.7526, 70.2040



82.7721, 78.7526, 178.4087



93.9724, 78.7526, 41.9362

Complementary

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



52.2589, 78.7526, 70.2040



51.6595, 33.0306, 33.3595

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.



102.5499, 78.7526, 65.6374



52.2589, 78.7526, 70.2040



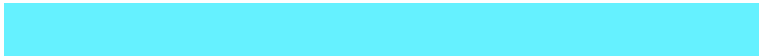
95.5685, 78.7526, 147.0448

Square

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



52.2589, 78.7526, 70.2040



69.2070, 78.7526, 180.7487



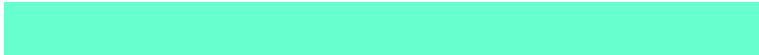
103.1669, 78.7526, 103.4325



80.7959, 78.7526, 31.7151

Rectangle

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



52.2589, 78.7526, 70.2040



55.9767, 78.7526, 138.9999



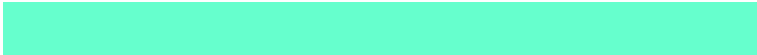
103.1669, 78.7526, 103.4325



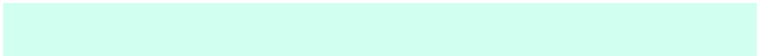
97.5548, 78.7526, 48.2002

Sweetspot

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



52.2597, 78.7529, 70.2054



77.8110, 91.3812, 95.9755



51.2959, 79.2520, 25.1650



16.1389, 19.3022, 20.1187



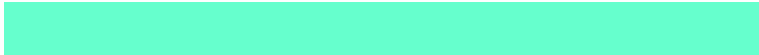
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.2597, 78.7529, 70.2054



48.2384, 76.8149, 63.9146



51.6880, 66.3611, 104.6925



18.2876, 20.3746, 21.8173



22.6313, 38.9491, 27.0073



2.2539, 3.8125, 2.8946

Inverse Universe

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



51.6595, 33.0306, 33.3595



47.6426, 27.4671, 24.4055



51.2930, 37.5285, 17.1117



18.2541, 18.0849, 19.9552



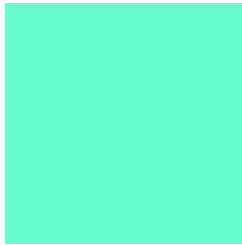
22.4321, 11.4621, 5.6597



2.2319, 1.1352, 0.8028

Previews

White Background



This preview shows how the XYZ color 52.2589, 78.7526, 70.2040 looks on a white background.

Color Contrast Check

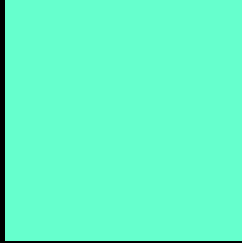
Large Text (above 18pt) WCAG AA × Fail

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 52.2589, 78.7526, 70.2040 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 52.2589, 78.7526, 70.2040

Background



This preview shows how black text looks on a background with the XYZ color 52.2589, 78.7526, 70.2040.

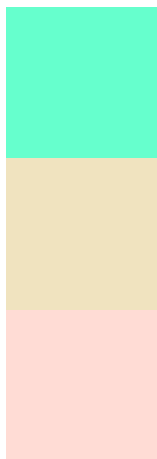


This preview shows how white text looks on a background with the XYZ color 52.2589, 78.7526,

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

52.2589, 78.7526, 70.2040

Protanopia

72.8082, 77.2250, 60.3587

Deuteranopia

78.8434, 77.2505, 73.7061



Tritanopia

65.2312, 78.2376, 106.2711

Trichromacy



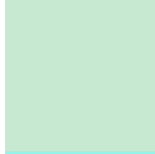
Original Color

52.2589, 78.7526, 70.2040



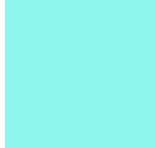
Protanomaly

61.4832, 75.5010, 63.5572



Deuteranomaly

64.3250, 75.0731, 72.0730



Tritanomaly

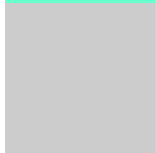
59.5695, 77.8656, 92.0107

Monochromacy



Original Color

52.2589, 78.7526, 70.2040



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.2231, 65.3505, 66.9355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2589, 78.7526, 70.2040 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(102, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 205)  
}
```

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(102, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 52.2589, 78.7526, 70.2040 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(102, 255, 205) }
```


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

```
.border{ border-color:rgb(102, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2589, 78.7526, 70.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 205) }
```

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

```
.background{ background-color: rgb(102,  
255, 205) }
```

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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