

Converting Colors

XYZ(51.3946, 78.4071, 65.6380)

Have a look what the booklet for
XYZ(51.3946, 78.4071, 65.6380)
contains.

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Color

**XYZ(51.4325, 78.4220,
65.8523)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFC6
RGB	102, 255, 198
RGB Percent	40%, 100%, 78%
CMY	0.6000, 0.0000, 0.2235
CMYK	0.60, 0.00, 0.22, 0.00
HSL	158°, 100%, 70%
HSV	158°, 60%, 100%
XYZ	51.4325, 78.4220, 65.8523
YIQ	202.7550, -72.8910, -50.1630

Conversions

Conversions Part 2

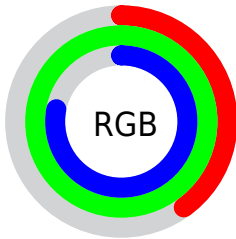
Format	Color
RYB	102, 196, 255
Decimal	6750150
CIELab	90.97, -53.64, 15.30
CIELCh	91, 55.780, 164.081
Yxy	78.4220, 0.2628, 0.4007
Android (android.graphics.Color)	4284940230 (0xFF66FFC6)
YUV	202.7550, -2.3442, -88.3621
Hunter-Lab	88.5562, -51.3024, 17.9000

Details

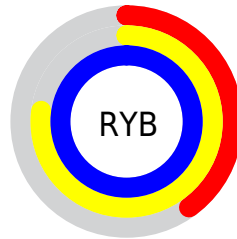
The XYZ color **51.4325, 78.4220, 65.8523** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.2499, 33.2668, 36.4689**, and the grayscale version is **56.6583, 59.6089, 64.9141**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **25.1383, 42.0173, 33.1708** is the 20% darker color. If you saturate the color by 10%, you get **47.9121, 76.7298, 60.1465**, and if you desaturate by 10%, it is **55.9116, 80.6004, 71.9644**.

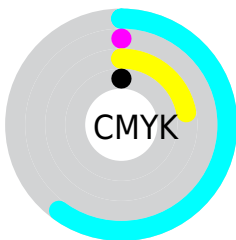
Distribution



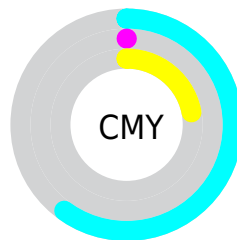
- Red (40%)
- Green (100%)
- Blue (78%)



- Red (40%)
- Yellow (77%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4325, 78.4220, 65.8523 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 51.4325, 78.4220, 65.8523 by changing the saturation by 10% instead.


 51.4325, 78.4220,
65.8523


 51.4325, 78.4220,
65.8523


382.6018,
489.5988, 464.2383


 36.7754, 58.4207,
47.6968


 91.4730, 131.1448,
114.8993

 25.2065, 42.1470,
33.2285


 117.5870,
164.6352, 146.6279

 16.3605, 29.2164,
22.0290


 148.2507,
203.3906, 183.7179

 9.8721, 19.2446,
13.6797

183.8294,
247.7956, 226.5878

 5.3758, 11.8471,
7.7620

224.6886,
298.2346, 275.6563

 2.5064, 6.6397,
3.8575

271.1934,

 0.8985, 3.2378,

355.0918, 331.3419

1.5475

323.7094,
418.7517, 394.0630

■ 0.0000, 1.2571,
0.2529

■ 0.0000, 0.1076,
0.0000

■ 51.4325, 78.4220,
65.8523

■ 51.4325, 78.4220,
65.8523

■ 47.9121, 76.7298,
60.1465

■ 55.9116, 80.6004,
71.9644

■ 45.2624, 75.4787,
54.8324


■ 61.4222, 83.3025,
78.4887


■ 43.3822, 74.6166,
49.9000

■ 68.0324, 86.5633,
85.4358

■ 42.1055, 74.0582,
45.3345

■ 75.8035, 90.4141,
92.8146

 42.1053, 74.0581,
45.3338

 84.7923, 94.8843,
100.6337

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.



57.2580, 78.4220, 40.9496



51.4325, 78.4220, 65.8523



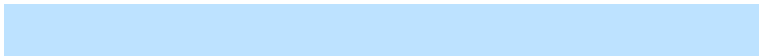
51.2573, 78.4220, 105.6576

Triad

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



51.4325, 78.4220, 65.8523



81.3147, 78.4220, 184.7347



95.7084, 78.4220, 42.0361

Complementary

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



51.4325, 78.4220, 65.8523



52.2499, 33.2668, 36.4689

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.



103.9761, 78.4220, 67.8926



51.4325, 78.4220, 65.8523



94.9851, 78.4220, 154.0099

Square

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



51.4325, 78.4220, 65.8523



67.3614, 78.4220, 183.6604



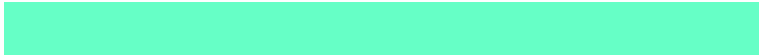
103.6958, 78.4220, 108.4497



82.2066, 78.4220, 30.4530

Rectangle

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



51.4325, 78.4220, 65.8523



54.3022, 78.4220, 136.5747



103.6958, 78.4220, 108.4497



99.2634, 78.4220, 48.9167

Sweetspot

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



51.4332, 78.4223, 65.8536



77.5008, 91.2571, 94.3417



52.7865, 80.0204, 25.2347



16.0628, 19.2718, 19.7183



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.



51.4332, 78.4223, 65.8536



47.3149, 76.4456, 59.0517



53.8577, 70.7005, 105.4157



18.2510, 20.3599, 21.6249



22.0756, 38.7268, 24.0811



2.2023, 3.7919, 2.6233

Inverse Universe

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



52.2499, 33.2668, 36.4689



48.2376, 27.7051, 27.5385



50.3373, 35.6171, 16.7931



18.2892, 18.0990, 20.1401



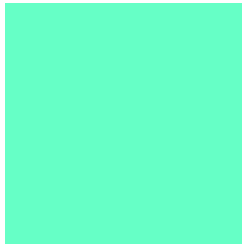
22.6941, 11.5669, 7.0398



2.2604, 1.1465, 0.9527

Previews

White Background



This preview shows how the XYZ color 51.4325, 78.4220, 65.8523 looks on a white background.

Color Contrast Check

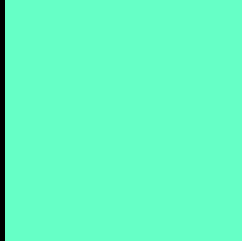
Large Text (above 18pt) WCAG AA × Fail

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 51.4325, 78.4220, 65.8523 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 51.4325, 78.4220, 65.8523

Background



This preview shows how black text looks on a background with the XYZ color 51.4325, 78.4220, 65.8523.

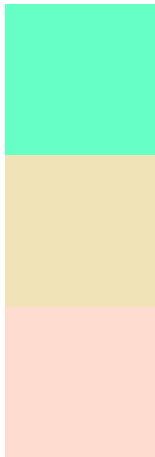


This preview shows how white text looks on a background with the XYZ color 51.4325, 78.4220,

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

51.4325, 78.4220, 65.8523

Protanopia

72.3964, 77.0996, 56.4134

Deuteranopia

78.2184, 77.0005, 70.4145



Tritanopia

64.8151, 78.0231, 106.2516

Trichromacy



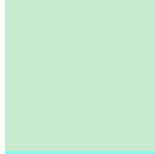
Original Color

51.4325, 78.4220, 65.8523



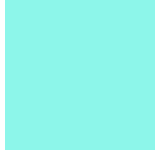
Protanomaly

60.7047, 75.1896, 59.4577



Deuteranomaly

63.5912, 74.7796, 68.2090



Tritanomaly

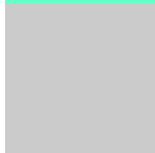
58.7916, 77.5148, 89.7051

Monochromacy



Original Color

51.4325, 78.4220, 65.8523



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.3898, 64.5666, 64.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4325, 78.4220, 65.8523 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 51.4325, 78.4220, 65.8523 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, 198) }
```


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

```
.border{ border-color:rgb(102, 255, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4325, 78.4220, 65.8523 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, 198) }
```

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

```
.background{ background-color: rgb(102,  
255, 198) }
```

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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