

Converting Colors

XYZ(52.0447, 78.6669, 69.0758)

Have a look what the booklet for
XYZ(52.0447, 78.6669, 69.0758)
contains.

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Color

**XYZ(52.0190, 78.6566,
68.9405)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFCB
RGB	102, 255, 203
RGB Percent	40%, 100%, 80%
CMY	0.6000, 0.0000, 0.2039
CMYK	0.60, 0.00, 0.20, 0.00
HSL	160°, 100%, 70%
HSV	160°, 60%, 100%
XYZ	52.0190, 78.6566, 68.9405
YIQ	203.3250, -74.4960, -48.6080

Conversions

Conversions Part 2

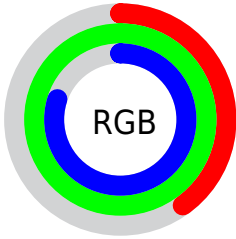
Format	Color
RYB	102, 194, 255
Decimal	6750155
CIELab	91.08, -52.56, 12.88
CIElCh	91, 54.113, 166.230
Yxy	78.6566, 0.2606, 0.3940
Android (android.graphics.Color)	4284940235 (0xFF66FFCB)
YUV	203.3250, -0.1602, -88.8620
Hunter-Lab	88.6886, -50.5084, 15.9939

Details

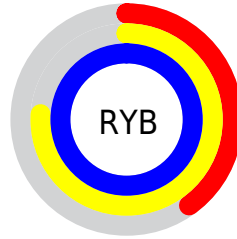
The XYZ color **52.0190, 78.6566, 68.9405** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.8248, 33.0968, 34.2298**, and the grayscale version is **57.0039, 59.9725, 65.3101**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **25.5162, 42.1670, 35.2280** is the 20% darker color. If you saturate the color by 10%, you get **48.5561, 76.9874, 63.5377**, and if you desaturate by 10%, it is **56.4297, 80.8076, 74.6918**.

Distribution



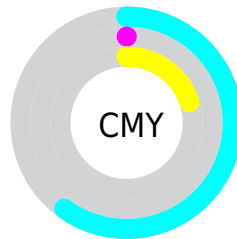
- Red (40%)
- Green (100%)
- Blue (80%)



- 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 52.0190, 78.6566, 68.9405 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 52.0190, 78.6566, 68.9405 by changing the saturation by 10% instead.

 52.0190, 78.6566,
68.9405

 52.0190, 78.6566,
68.9405


384.8327,
490.3939, 475.5093

 37.2446, 58.6135,
50.1918


 92.3333, 131.4753,
119.3635

 25.5714, 42.3021,
35.1936


 118.6039,
165.0197, 151.8749

 16.6343, 29.3379,
23.5273


 149.4372,
203.8334, 189.8109

 10.0678, 19.3366,
14.7744

185.1987,
248.3006, 233.5900

 5.5065, 11.9137,
8.5163

226.2536,
298.8059, 283.6309

 2.5852, 6.6850,
4.3346

272.9673,

 0.9384, 3.2659,

355.7336, 340.3521

1.8106

325.7053,
419.4681, 404.1721

■ 0.0000, 1.2721,
0.4350

■ 0.0000, 0.1194,
0.0000

■ 52.0190, 78.6566,
68.9405

■ 52.0190, 78.6566,
68.9405

■ 48.5561, 76.9874,
63.5377

■ 56.4297, 80.8076,
74.6918

■ 45.9532, 75.7550,
58.4703


■ 61.8605, 83.4779,
80.7957


■ 44.1095, 74.9076,
53.7301

■ 68.3792, 86.7020,
87.2613

■ 42.8593, 74.3597,
49.3040

■ 76.0471, 90.5116,
94.0961

 42.8591, 74.3596,
49.3032

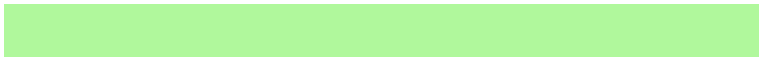
 84.9204, 94.9356,
101.3072

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.



57.3344, 78.6566, 43.3975



52.0190, 78.6566, 68.9405



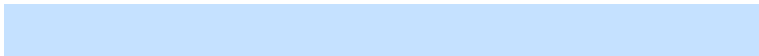
52.2488, 78.6566, 108.4638

Triad

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



52.0190, 78.6566, 68.9405



82.3538, 78.6566, 180.2077



94.4659, 78.6566, 41.9601

Complementary

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



52.0190, 78.6566, 68.9405



51.8248, 33.0968, 34.2298

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.



102.9568, 78.6566, 66.2723



52.0190, 78.6566, 68.9405



95.4023, 78.6566, 149.0151

Square

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



52.0190, 78.6566, 68.9405



68.6750, 78.6566, 181.5858



103.3190, 78.6566, 104.8478



81.1958, 78.6566, 31.3468

Rectangle

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



52.0190, 78.6566, 68.9405



55.4925, 78.6566, 138.3090



103.3190, 78.6566, 104.8478



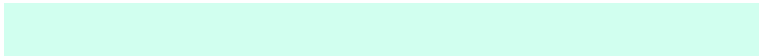
98.0410, 78.6566, 48.3995

Sweetspot

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



52.0198, 78.6570, 68.9419



77.7220, 91.3456, 95.5067



51.7825, 79.5028, 25.1879



16.1170, 19.2935, 20.0038



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.



52.0198, 78.6570, 68.9419



47.9691, 76.7072, 62.4966



52.4009, 67.7868, 104.9301



18.2771, 20.3704, 21.7622



22.4675, 38.8836, 26.1447



2.2387, 3.8064, 2.8151

Inverse Universe

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



51.8248, 33.0968, 34.2298



47.8078, 27.5332, 25.2756



50.9663, 36.8750, 17.0029



18.2641, 18.0890, 20.0079



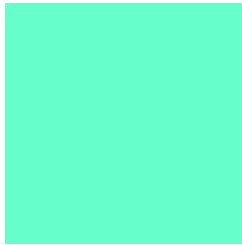
22.5029, 11.4905, 6.0328



2.2398, 1.1383, 0.8440

Previews

White Background



This preview shows how the XYZ color 52.0190, 78.6566, 68.9405 looks on a white background.

Color Contrast Check

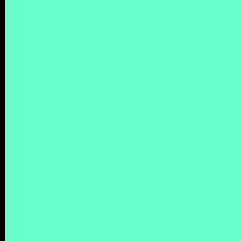
Large Text (above 18pt) WCAG AA × Fail

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 52.0190, 78.6566, 68.9405 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 52.0190, 78.6566, 68.9405

Background



This preview shows how black text looks on a background with the XYZ color 52.0190, 78.6566, 68.9405.

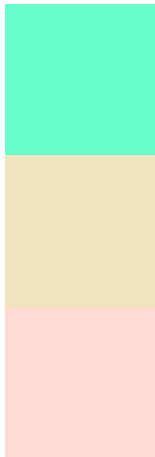


This preview shows how white text looks on a background with the XYZ color 52.0190, 78.6566,

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

52.0190, 78.6566, 68.9405

Protanopia

72.5896, 77.1376, 59.2073

Deuteranopia

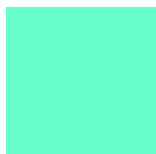
78.5911, 77.1495, 72.3772



Tritanopia

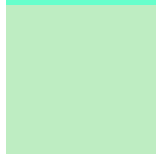
65.0223, 78.1299, 106.2613

Trichromacy



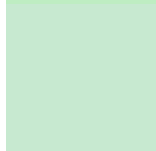
Original Color

52.0190, 78.6566, 68.9405



Protanomaly

61.2570, 75.4106, 62.3660



Deuteranomaly

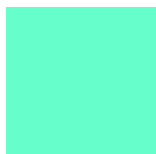
64.0773, 74.9740, 70.7687



Tritanomaly

59.2514, 77.7184, 91.2352

Monochromacy



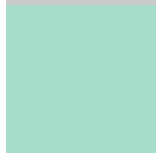
Original Color

52.0190, 78.6566, 68.9405



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.6267, 64.6613, 66.2071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0190, 78.6566, 68.9405 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 52.0190, 78.6566, 68.9405 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, 203) }
```


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

```
.border{ border-color:rgb(102, 255, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0190, 78.6566, 68.9405 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, 203) }
```

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

```
.background{ background-color: rgb(102,  
255, 203) }
```

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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