

Converting Colors

XYZ(51.8067, 78.5332, 69.5600)

Have a look what the booklet for
XYZ(51.8067, 78.5332, 69.5600)
contains.

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Color

**XYZ(51.8047, 78.5323,
69.5546)**

Conversions

Conversions Part 1

Format	Color
Hex	63FFCC
RGB	99, 255, 204
RGB Percent	39%, 100%, 80%
CMY	0.6117, 0.0000, 0.2000
CMYK	0.61, 0.00, 0.20, 0.00
HSL	160°, 100%, 69%
HSV	160°, 61%, 100%
XYZ	51.8047, 78.5323, 69.5546
YIQ	202.5420, -76.6050, -48.9330

Conversions

Conversions Part 2

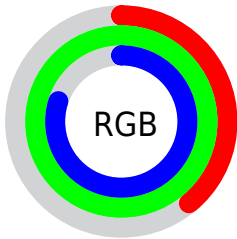
Format	Color
R _Y B	99, 192, 255
Decimal	6553548
CIE Lab	91.02, -52.88, 12.27
CIE LCh	91, 54.282, 166.932
Yxy	78.5323, 0.2592, 0.3929
Android (android.graphics.Color)	4284743628 (0xFF63FFCC)
YUV	202.5420, 0.7188, -90.8063
Hunter-Lab	88.6185, -50.7345, 15.4975

Details

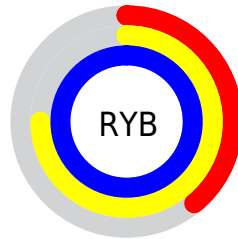
The XYZ color **51.8047, 78.5323, 69.5546** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.2076, 32.3868, 32.4078**, and the grayscale version is **56.5081, 59.4509, 64.7421**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **25.4713, 42.1345, 35.6445** is the 20% darker color. If you saturate the color by 10%, you get **48.4719, 76.9266, 64.3188**, and if you desaturate by 10%, it is **56.0718, 80.6134, 75.1162**.

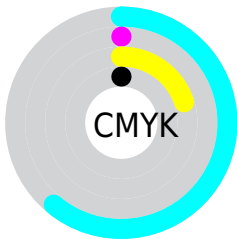
Distribution



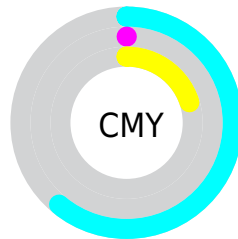
- Red (39%)
- Green (100%)
- Blue (80%)



- Red (39%)
- Yellow (75%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8047, 78.5323, 69.5546 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 51.8047, 78.5323, 69.5546 by changing the saturation by 10% instead.


 51.8047, 78.5323,
69.5546


 51.8047, 78.5323,
69.5546


384.0185,
489.9727, 477.7314


 37.0731, 58.5113,
50.6889


 92.0191, 131.3002,
120.2485

 25.4380, 42.2199,
35.5861


 118.2325,
164.8160, 152.9139

 16.5342, 29.2735,
23.8276


 149.0040,
203.5988, 191.0162

 9.9962, 19.2878,
14.9947

184.6988,
248.0331, 234.9740

 5.4587, 11.8784,
8.6691

225.6823,
298.5032, 285.2059

 2.5563, 6.6610,
4.4321

272.3198,

 0.9237, 3.2510,

355.3936, 342.1304

1.8653

324.9768,
419.0886, 406.1661

0.0000, 1.2641,
0.4705

0.0000, 0.1132,
0.0000

51.8047, 78.5323,
69.5546

51.8047, 78.5323,
69.5546

48.4719, 76.9266,
64.3188

56.0718, 80.6134,
75.1162

45.9841, 75.7505,
59.3964


61.3465, 83.2077,
81.0072


44.2381, 74.9507,
54.7793


67.6973, 86.3503,
87.2364

43.1714, 74.4846,
50.9480

75.1857, 90.0730,
93.8107

 83.8688, 94.4050,
100.7367

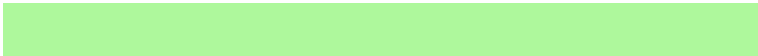
 93.7995, 99.3735,
108.0207

 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.



57.0002, 78.5323, 43.6348



51.8047, 78.5323, 69.5546



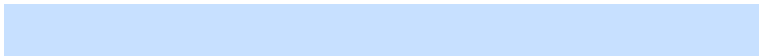
52.1659, 78.5323, 109.4226

Triad

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



51.8047, 78.5323, 69.5546



82.5825, 78.5323, 179.9250



94.1209, 78.5323, 41.3777

Complementary

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



51.8047, 78.5323, 69.5546



51.2076, 32.3868, 32.4078

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.



102.7946, 78.5323, 65.3599



51.8047, 78.5323, 69.5546



95.5946, 78.5323, 148.0864

Square

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



51.8047, 78.5323, 69.5546



68.8416, 78.5323, 182.0958



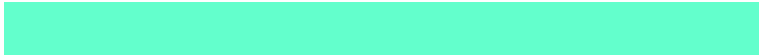
103.3648, 78.5323, 103.7321



80.7606, 78.5323, 31.0512

Rectangle

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



51.8047, 78.5323, 69.5546



55.4987, 78.5323, 139.3394



103.3648, 78.5323, 103.7321



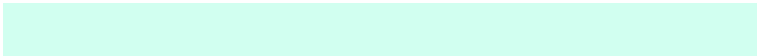
97.7489, 78.5323, 47.7073

Sweetspot

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



51.8055, 78.5327, 69.5560



77.8101, 91.3808, 95.9709



50.7755, 79.0006, 24.3782



16.1387, 19.3022, 20.1176



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.



51.8055, 78.5327, 69.5560



47.9574, 76.6812, 63.3970



51.2157, 65.9120, 104.6307



18.2875, 20.3745, 21.8168



22.6297, 38.9485, 26.9988



2.2537, 3.8124, 2.8938

Inverse Universe

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



51.2076, 32.3868, 32.4078



47.3685, 27.1016, 23.7504



50.8265, 36.8293, 16.2356



18.2542, 18.0850, 19.9557



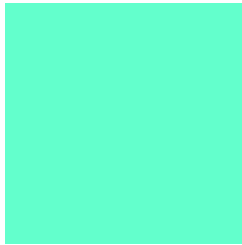
22.4327, 11.4624, 5.6632



2.2320, 1.1352, 0.8032

Previews

White Background



This preview shows how the XYZ color 51.8047, 78.5323, 69.5546 looks on a white background.

Color Contrast Check

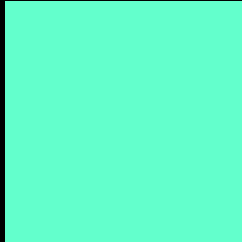
Large Text (above 18pt) WCAG AA × Fail

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 51.8047, 78.5323, 69.5546 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 51.8047, 78.5323, 69.5546

Background



This preview shows how black text looks on a background with the XYZ color 51.8047, 78.5323, 69.5546.

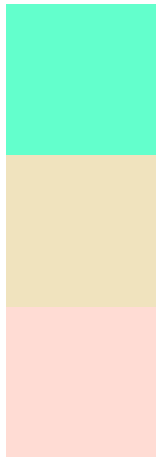


This preview shows how white text looks on a background with the XYZ color 51.8047, 78.5323,

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

51.8047, 78.5323, 69.5546

Protanopia

72.6985, 77.1811, 59.7810

Deuteranopia

78.7169, 77.1999, 73.0396



Tritanopia

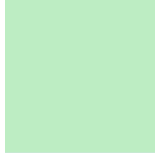
64.8151, 78.0231, 106.2516

Trichromacy



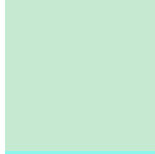
Original Color

51.8047, 78.5323, 69.5546



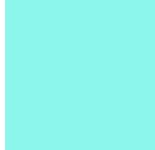
Protanomaly

61.1208, 75.3273, 62.9480



Deuteranomaly

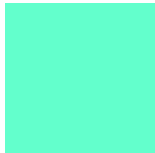
63.9362, 74.8870, 71.4064



Tritanomaly

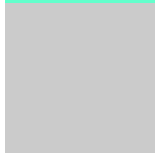
58.9113, 77.5431, 91.2192

Monochromacy



Original Color

51.8047, 78.5323, 69.5546



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.4178, 64.5537, 66.1973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8047, 78.5323, 69.5546 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(99, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 204)  
}
```

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(99, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 51.8047, 78.5323, 69.5546 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(99, 255, 204) }
```


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

```
.border{ border-color:rgb(99, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8047, 78.5323, 69.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 204) }
```

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

```
.background{ background-color: rgb(99, 255,  
204) }
```

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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