

Converting Colors

XYZ(62.4258, 100.0000,
66.6743)

Have a look what the booklet for
XYZ(62.4258, 100.0000, 66.6743)
contains.

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Color

**XYZ(51.6923, 78.6215,
62.9031)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFFC1
RGB	109, 255, 193
RGB Percent	43%, 100%, 76%
CMY	0.5725, 0.0000, 0.2431
CMYK	0.57, 0.00, 0.24, 0.00
HSL	155°, 100%, 71%
HSV	155°, 57%, 100%
XYZ	51.6923, 78.6215, 62.9031
YIQ	204.2780, -67.1140, -50.2340

Conversions

Conversions Part 2

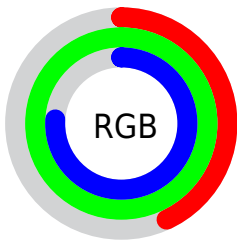
Format	Color
RYB	109, 202, 255
Decimal	7208897
CIELab	91.06, -53.35, 18.02
CIELCh	91, 56.308, 161.336
Yxy	78.6215, 0.2675, 0.4069
Android (android.graphics.Color)	4285398977 (0xFF6DFFC1)
YUV	204.2780, -5.5601, -83.5588
Hunter-Lab	88.6688, -51.1080, 20.0068

Details

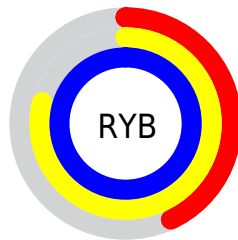
The XYZ color **51.6923, 78.6215, 62.9031** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.0598, 35.1383, 42.4617**, and the grayscale version is **57.6350, 60.6365, 66.0331**.

A 20% lighter version of the original color is **69.8099, 87.0801, 103.5712**, and **25.2861, 42.1367, 31.2266** is the 20% darker color. If you saturate the color by 10%, you get **47.8333, 76.7666, 56.6465**, and if you desaturate by 10%, it is **56.5507, 80.9813, 69.6709**.

Distribution



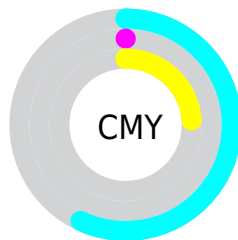
- Red (43%)
- Green (100%)
- Blue (76%)



- Red (43%)
- Yellow (79%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6923, 78.6215, 62.9031 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 51.6923, 78.6215, 62.9031 by changing the saturation by 10% instead.


 51.6923, 78.6215,
62.9031


 51.6923, 78.6215,
62.9031


383.5911,
490.2750, 453.3160


 36.9831, 58.5847,
45.3223


 91.8542, 131.4259,
110.6139

 25.3681, 42.2789,
31.3666


 118.0377,
164.9622, 141.5811

 16.4817, 29.3197,
20.6174


 148.7766,
203.7671, 177.8474

 9.9586, 19.3228,
12.6561

184.4364,
248.2251, 219.8315

 5.4336, 11.9038,
7.0642

225.3824,
298.7205, 267.9518

 2.5412, 6.6782,
3.4232

271.9799,

 0.9161, 3.2617,

355.6376, 322.6270

1.3146

324.5944,
419.3610, 384.2756

■ 0.0000, 1.2698,
0.0737

■ 0.0000, 0.1177,
0.0000

■ 51.6923, 78.6215,
62.9031

■ 51.6923, 78.6215,
62.9031

■ 47.8333, 76.7666,
56.6465

■ 56.5507, 80.9813,
69.6709

■ 44.8887, 75.3731,
50.8833


■ 62.4799, 83.8827,
76.9588


■ 42.7619, 74.3914,
45.6003

■ 69.5466, 87.3599,
84.7805

■ 41.3276, 73.7572,
40.7809

■ 77.8113, 91.4439,
93.1477

 41.0040, 73.6176,
39.5347

 87.3304, 96.1635,
102.0720

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.



58.0776, 78.6215, 39.2281



51.6923, 78.6215, 62.9031



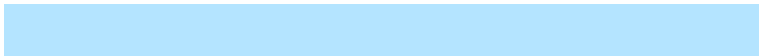
50.9878, 78.6215, 101.9459

Triad

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



51.6923, 78.6215, 62.9031



80.2342, 78.6215, 187.6808



97.2052, 78.6215, 43.5885

Complementary

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



51.6923, 78.6215, 62.9031



54.0598, 35.1383, 42.4617

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.



104.8843, 78.6215, 71.1116



51.6923, 78.6215, 62.9031



94.2890, 78.6215, 158.9277

Square

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



51.6923, 78.6215, 62.9031



66.3110, 78.6215, 183.3413



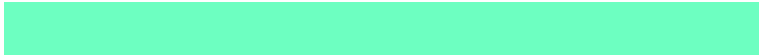
103.7541, 78.6215, 113.2024



83.8274, 78.6215, 30.7688

Rectangle

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



51.6923, 78.6215, 62.9031



53.7139, 78.6215, 133.1514



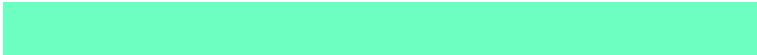
103.7541, 78.6215, 113.2024



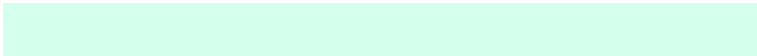
100.6108, 78.6215, 50.9857

Sweetspot

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



51.6930, 78.6218, 62.9044



78.0370, 91.5556, 93.3671



55.5928, 81.4253, 27.2555



16.3252, 19.4096, 19.6145



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.



51.6930, 78.6218, 62.9044



47.2557, 76.4912, 55.6047



57.0903, 75.9378, 106.2562



18.2097, 20.3434, 21.4071



21.5018, 38.4973, 21.0594



2.1482, 3.7702, 2.3384

Inverse Universe

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



54.0598, 35.1383, 42.4617



49.8530, 29.1845, 33.4760



50.5660, 35.4952, 18.6551



18.3295, 18.1151, 20.3521



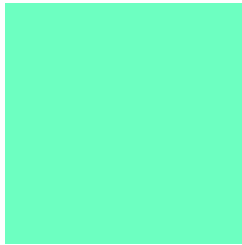
23.0421, 11.7061, 8.8719



2.2968, 1.1611, 1.1443

Previews

White Background



This preview shows how the XYZ color 51.6923, 78.6215, 62.9031 looks on a white background.

Color Contrast Check

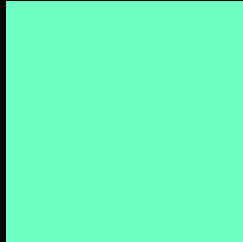
Large Text (above 18pt) WCAG AA × Fail

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 51.6923, 78.6215, 62.9031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

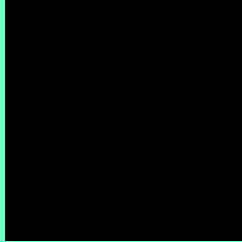
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6923, 78.6215, 62.9031

Background



This preview shows how black text looks on a background with the XYZ color 51.6923, 78.6215, 62.9031.

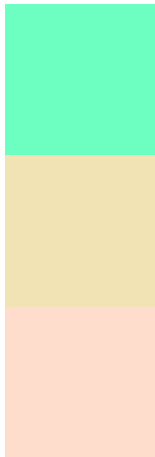


This preview shows how white text looks on a background with the XYZ color 51.6923, 78.6215,

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

51.6923, 78.6215, 62.9031

Protanopia

72.3253, 77.1107, 54.2519

Deuteranopia

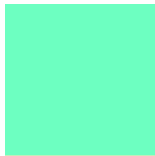
78.1159, 77.3807, 68.5764



Tritanopia

65.1464, 77.7557, 106.1825

Trichromacy



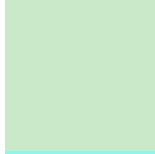
Original Color

51.6923, 78.6215, 62.9031



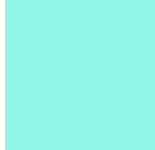
Protanomaly

61.2893, 75.5405, 57.2494



Deuteranomaly

64.0386, 75.0514, 66.3695



Tritanomaly

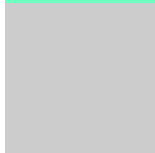
59.0720, 77.2420, 88.1397

Monochromacy



Original Color

51.6923, 78.6215, 62.9031



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.1752, 65.3805, 64.4607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6923, 78.6215, 62.9031 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(109, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 193)  
}
```

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(109, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 51.6923, 78.6215, 62.9031 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(109, 255, 193) }
```


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

```
.border{ border-color:rgb(109, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6923, 78.6215, 62.9031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 193) }
```

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

```
.background{ background-color: rgb(109,  
255, 193) }
```

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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