

Converting Colors

XYZ(50.9501, 66.0565, 84.3946)

Have a look what the booklet for
XYZ(50.9501, 66.0565, 84.3946)
contains.

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Color

**XYZ(51.0643, 66.2850,
84.2316)**

Conversions

Conversions Part 1

Format	Color
Hex	80E5E5
RGB	128, 229, 229
RGB Percent	50%, 90%, 90%
CMY	0.4980, 0.1019, 0.1020
CMYK	0.44, 0.00, 0.00, 0.10
HSL	180°, 66%, 70%
HSV	180°, 44%, 90%
XYZ	51.0643, 66.2850, 84.2316
YIQ	198.8010, -60.1960, -21.4120

Conversions

Conversions Part 2

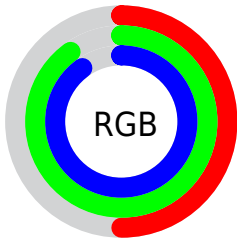
Format	Color
RYB	128, 179, 229
Decimal	8447461
CIELab	85.14, -29.48, -9.22
CIELCh	85, 30.891, 197.358
Yxy	66.2850, 0.2533, 0.3288
Android (android.graphics.Color)	4286637541 (0xFF80E5E5)
YUV	198.8010, 14.8881, -62.0925
Hunter-Lab	81.4156, -30.5211, -4.3498

Details

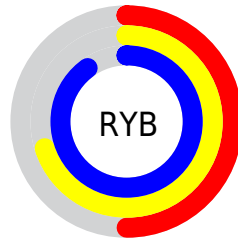
The XYZ color **51.0643, 66.2850, 84.2316** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.9309, 33.6570, 24.6056**, and the grayscale version is **54.1045, 56.9222, 61.9882**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **24.9674, 34.1721, 45.3243** is the 20% darker color. If you saturate the color by 10%, you get **48.0014, 64.7076, 84.0893**, and if you desaturate by 10%, it is **54.9084, 68.2683, 84.4134**.

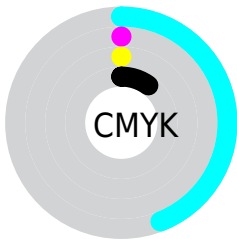
Distribution



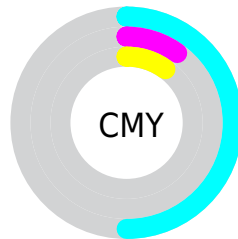
- Red (50%)
- Green (90%)
- Blue (90%)



- Red (50%)
- Yellow (70%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0643, 66.2850, 84.2316 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 51.0643, 66.2850, 84.2316 by changing the saturation by 10% instead.

51.0643, 66.2850,
84.2316

51.0643, 66.2850,
84.2316

381.1971,
447.3954, 529.1601

36.4810, 48.5038,
62.6602

90.9322, 113.8953,
141.1637

24.9778, 34.2260,
45.1271

116.9476,
144.4932, 177.3615

16.1891, 23.0673,
31.2139

147.5044,
180.1320, 219.2718

9.7498, 14.6432,
20.5019

182.9680,
221.1963, 267.3132

5.2944, 8.5694,
12.5727

223.7037,
268.0704, 321.9041

2.4575, 4.4614,
7.0078

270.0769,

0.8739, 1.9349,

321.1387, 383.4633

3.3884

322.4529,
380.7856, 452.4091

■ 0.0000, 0.5692,
1.2962

■ 0.0000, 0.0000,
0.0587

■ 51.0643, 66.2850,
84.2316

■ 51.0643, 66.2850,
84.2316

■ 48.0014, 64.7076,
84.0893

■ 54.9084, 68.2683,
84.4134

■ 45.6608, 63.5010,
83.9794


■ 59.5759, 70.6744,
84.6322


■ 43.9849, 62.6370,
83.9005


■ 65.1127, 73.5288,
84.8917


■ 42.9049, 62.0803,
83.8496


■ 71.5600, 76.8524,
85.1938


 42.3366, 61.7873,
83.8226


 78.9560, 80.6652,
85.5404

 42.1630, 61.6978,
83.8143

 83.4039, 82.9582,
85.7489

 83.4040, 82.9582,
85.7493

 83.4041, 82.9583,
85.7497

 83.4042, 82.9583,
85.7501

Harmonies

Analogous

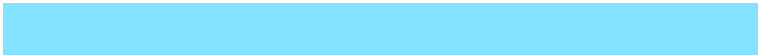
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8167, 66.2850, 64.1001



51.0643, 66.2850, 84.2316



54.3581, 66.2850, 104.2236

Triad

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



51.0643, 66.2850, 84.2316



73.3759, 66.2850, 101.3980



65.9786, 66.2850, 40.8440

Complementary

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



51.0643, 66.2850, 84.2316



43.9309, 33.6570, 24.6056

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.



72.5166, 66.2850, 47.4757



51.0643, 66.2850, 84.2316



76.9941, 66.2850, 80.8970

Square

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



51.0643, 66.2850, 84.2316



67.0826, 66.2850, 115.3200



76.6685, 66.2850, 61.3241



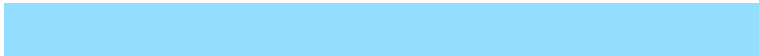
59.0902, 66.2850, 41.4055

Rectangle

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



51.0643, 66.2850, 84.2316



57.9856, 66.2850, 113.6752



76.6685, 66.2850, 61.3241



68.2995, 66.2850, 42.2460

Sweetspot

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



51.0663, 66.2876, 84.2331



83.8881, 94.2459, 108.3770



41.0751, 62.3206, 30.2879



17.5930, 19.9856, 23.1801



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.



51.0663, 66.2876, 84.2331



61.5344, 82.7221, 107.3288



39.4054, 42.9653, 80.3479



14.8075, 16.3364, 18.5171



24.1058, 35.2744, 47.9191



1.7813, 2.6067, 3.5411

Inverse Universe

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



43.9309, 33.6570, 24.6056



51.3197, 36.0094, 21.9683



51.8978, 49.5909, 27.2604



14.3771, 14.3680, 14.9201



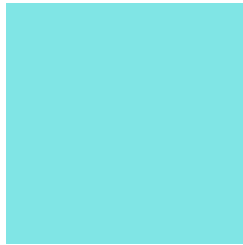
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 51.0643, 66.2850, 84.2316 looks on a white background.

Color Contrast Check

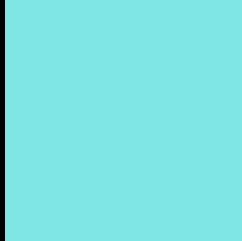
Large Text (above 18pt) WCAG AA × Fail

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 51.0643, 66.2850, 84.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

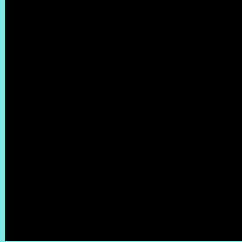
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0643, 66.2850, 84.2316

Background



This preview shows how black text looks on a background with the XYZ color 51.0643, 66.2850, 84.2316.

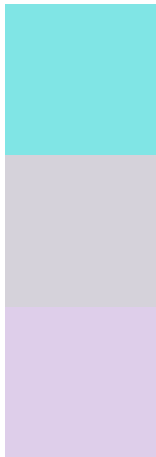


This preview shows how white text looks on a background with the XYZ color 51.0643, 66.2850,

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

51.0643, 66.2850, 84.2316

Protanopia

63.1421, 65.3013, 75.6061

Deuteranopia

67.0468, 65.6127, 86.9727



Tritanopia

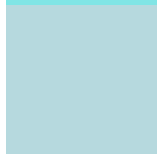
53.6234, 66.5173, 96.3991

Trichromacy



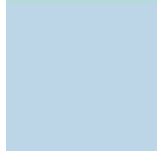
Original Color

51.0643, 66.2850, 84.2316



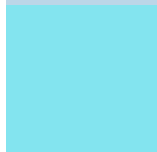
Protanomaly

57.2891, 64.8447, 78.6041



Deuteranomaly

59.3511, 64.6107, 85.6869



Tritanomaly

52.6835, 66.5441, 91.7289

Monochromacy



Original Color

51.0643, 66.2850, 84.2316



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.9130, 59.6306, 69.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0643, 66.2850, 84.2316 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(128, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 229)  
}
```

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(128, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 229) }
```

Border

The CSS property to change the border of an element to XYZ 51.0643, 66.2850, 84.2316 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(128, 229, 229) }
```


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

```
.border{ border-color:rgb(128, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0643, 66.2850, 84.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 229) }
```

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

```
.background{ background-color: rgb(128,  
229, 229) }
```

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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