

Converting Colors

XYZ(50.7956, 65.7367, 85.9562)

Have a look what the booklet for
XYZ(50.7956, 65.7367, 85.9562)
contains.

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Color

**XYZ(50.7714, 65.6919,
85.6052)**

Conversions

Conversions Part 1

Format	Color
Hex	7EE4E7
RGB	126, 228, 231
RGB Percent	49%, 89%, 91%
CMY	0.5059, 0.1059, 0.0941
CMYK	0.45, 0.01, 0.00, 0.09
HSL	182°, 69%, 70%
HSV	182°, 45%, 91%
XYZ	50.7714, 65.6919, 85.6052
YIQ	197.8440, -61.7550, -20.6910

Conversions

Conversions Part 2

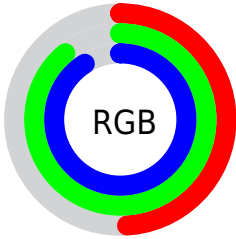
Format	Color
RYB	126, 178, 231
Decimal	8316135
CIELab	84.84, -28.96, -10.73
CIELCh	85, 30.883, 200.332
Yxy	65.6919, 0.2513, 0.3251
Android (android.graphics.Color)	4286506215 (0xFF7EE4E7)
YUV	197.8440, 16.3459, -63.0072
Hunter-Lab	81.0505, -30.0231, -5.8864

Details

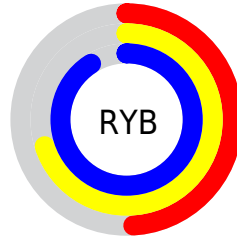
The XYZ color **50.7714, 65.6919, 85.6052** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.5724, 34.1969, 23.9918**, and the grayscale version is **53.5143, 56.3012, 61.3120**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **24.7372, 33.7584, 45.7697** is the 20% darker color. If you saturate the color by 10%, you get **47.5699, 63.7742, 85.4049**, and if you desaturate by 10%, it is **54.7639, 68.0215, 85.8456**.

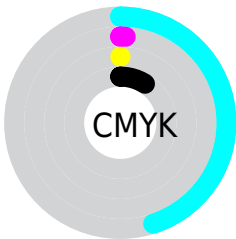
Distribution



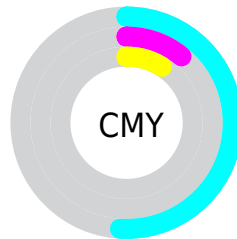
- Red (49%)
- Green (89%)
- Blue (91%)



- Red (49%)
- Yellow (70%)
- Blue (91%)



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7714, 65.6919, 85.6052 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 50.7714, 65.6919, 85.6052 by changing the saturation by 10% instead.

50.7714, 65.6919,
85.6052

50.7714, 65.6919,
85.6052

380.0773,
445.2742, 533.8252

36.2470, 48.0223,
63.7885

90.5018, 113.0440,
143.1001

24.7960, 33.8446,
46.0343

116.4385,
143.4954, 179.6154

16.0531, 22.7742,
31.9241

146.9100,
178.9761, 221.8673

9.6528, 14.4269,
21.0392

182.2817,
219.8706, 270.2744

5.2299, 8.4182,
12.9611

222.9189,
266.5632, 325.2552

2.4189, 4.3637,
7.2714

269.1870,

0.8545, 1.8790,

319.4385, 387.2282

3.5514

321.4513,
378.8807, 456.6121

0.0000, 0.5357,
1.3826

0.0000, 0.0000,
0.1281

50.7714, 65.6919,
85.6052

50.7714, 65.6919,
85.6052

47.5699, 63.7742,
85.4049

54.7639, 68.0215,
85.8456

45.0987, 62.2324,
85.2376

59.5911, 70.7810,
86.1238

43.2977, 61.0371,
85.1018

65.3006, 73.9963,
86.4435

42.0949, 60.1513,
84.9942

71.9347, 77.6892,
86.8066

■ 41.4013, 59.5290,
84.9106

■ 79.5329, 81.8803,
87.2151

■ 41.1889, 59.2994,
84.8775

■ 84.5097, 84.7209,
87.5011

■ 84.6957, 85.0929,
87.5631

■ 84.8823, 85.4662,
87.6253

■ 85.0697, 85.8409,
87.6878

Harmonies

Analogous

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



50.2157, 65.6919, 65.3152



50.7714, 65.6919, 85.6052



54.3220, 65.6919, 105.0618

Triad

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



50.7714, 65.6919, 85.6052



73.2534, 65.6919, 98.7213



64.7001, 65.6919, 40.1482

Complementary

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



50.7714, 65.6919, 85.6052



44.5724, 34.1969, 23.9918

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.



71.3250, 65.6919, 46.0162



50.7714, 65.6919, 85.6052



76.4985, 65.6919, 78.1214

Square

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



50.7714, 65.6919, 85.6052



67.1776, 65.6919, 113.5521



75.7679, 65.6919, 59.0842



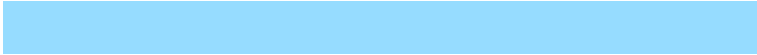
57.9271, 65.6919, 41.4088

Rectangle

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



50.7714, 65.6919, 85.6052



58.0650, 65.6919, 113.7578



75.7679, 65.6919, 59.0842



67.0256, 65.6919, 41.3039

Sweetspot

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



50.7734, 65.6945, 85.6067



82.7894, 93.1980, 108.2333



41.0614, 63.1408, 30.3608



17.3606, 19.7469, 23.1465



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.



50.7734, 65.6945, 85.6067



59.5832, 79.8395, 106.8779



38.7024, 41.5525, 81.5831



14.7703, 16.2620, 18.5047



23.1072, 33.2766, 47.5883



1.7187, 2.4814, 3.5203

Inverse Universe

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



54.4211, 37.5138, 77.7741



64.7541, 40.4293, 95.6538



53.0941, 51.2405, 26.8324



14.9764, 14.6078, 18.0762



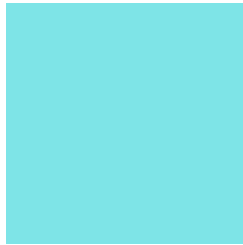
26.0570, 12.5570, 40.7905



1.9312, 0.9302, 3.0440

Previews

White Background



This preview shows how the XYZ color 50.7714, 65.6919, 85.6052 looks on a white background.

Color Contrast Check

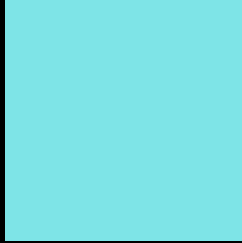
Large Text (above 18pt) WCAG AA × Fail

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 50.7714, 65.6919, 85.6052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

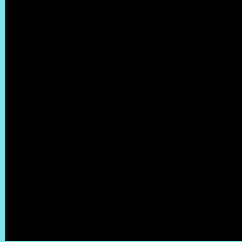
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7714, 65.6919, 85.6052

Background



This preview shows how black text looks on a background with the XYZ color 50.7714, 65.6919, 85.6052.



This preview shows how white text looks on a background with the XYZ color 50.7714, 65.6919,

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

50.7714, 65.6919, 85.6052

Protanopia

62.8701, 64.7653, 76.8975

Deuteranopia

66.1851, 64.7788, 88.3721



Tritanopia

52.7314, 65.6702, 95.4843

Trichromacy



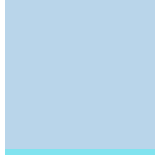
Original Color

50.7714, 65.6919, 85.6052



Protanomaly

57.0665, 64.3173, 79.9278



Deuteranomaly

58.6531, 63.8433, 87.0735



Tritanomaly

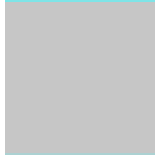
52.1023, 65.8373, 91.6231

Monochromacy



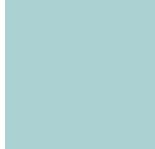
Original Color

50.7714, 65.6919, 85.6052



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.4466, 59.0247, 69.6542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7714, 65.6919, 85.6052 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(126, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(126, 228, 231)  
}
```

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(126, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 228, 231) }
```

Border

The CSS property to change the border of an element to XYZ 50.7714, 65.6919, 85.6052 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(126, 228, 231) }
```


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

```
.border{ border-color:rgb(126, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(126, 228,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7714, 65.6919, 85.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 228, 231) }
```

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

```
.background{ background-color: rgb(126,  
228, 231) }
```

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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