

Converting Colors

XYZ(51.2923, 66.1560, 82.5468)

Have a look what the booklet for
XYZ(51.2923, 66.1560, 82.5468)
contains.

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Color

**XYZ(51.2814, 66.0194,
82.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	85E4E3
RGB	133, 228, 227
RGB Percent	52%, 89%, 89%
CMY	0.4784, 0.1059, 0.1098
CMYK	0.42, 0.00, 0.00, 0.11
HSL	179°, 64%, 71%
HSV	179°, 42%, 89%
XYZ	51.2814, 66.0194, 82.7133
YIQ	199.4810, -56.2990, -20.4510

Conversions

Conversions Part 2

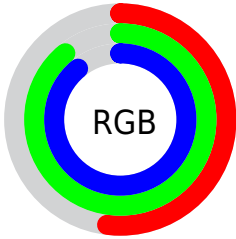
Format	Color
RYB	133, 181, 228
Decimal	8774883
CIELab	85.01, -28.33, -8.34
CIElCh	85, 29.528, 196.405
Yxy	66.0194, 0.2564, 0.3301
Android (android.graphics.Color)	4286964963 (0xFF85E4E3)
YUV	199.4810, 13.5669, -58.3038
Hunter-Lab	81.2523, -29.5335, -3.4795

Details

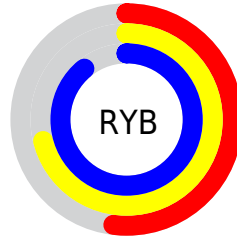
The XYZ color **51.2814, 66.0194, 82.7133** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.6878, 34.9922, 26.9555**, and the grayscale version is **54.5265, 57.3662, 62.4717**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **25.1006, 33.9795, 44.2655** is the 20% darker color. If you saturate the color by 10%, you get **48.0324, 64.3499, 82.3895**, and if you desaturate by 10%, it is **55.3156, 68.0968, 83.0770**.

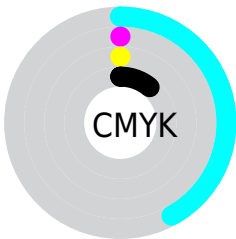
Distribution



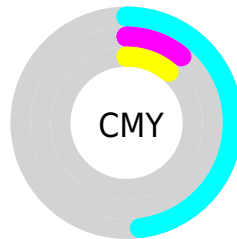
- Red (52%)
- Green (89%)
- Blue (89%)



- Red (52%)
- Yellow (71%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (48%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2814, 66.0194, 82.7133 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 51.2814, 66.0194, 82.7133 by changing the saturation by 10% instead.


 51.2814, 66.0194,
82.7133


 51.2814, 66.0194,
82.7133


382.0258,
446.4463, 523.9765


 36.6546, 48.2882,
61.4144


 91.2511, 113.5142,
139.0195

 25.1126, 34.0551,
44.1270

 117.3247,
144.0465, 174.8639

 16.2901, 22.9360,
30.4324


 147.9446,
179.6146, 216.3939

 9.8218, 14.5462,
19.9122

183.4761,
220.6030, 264.0280

 5.3424, 8.5015,
12.1478

224.2846,
267.3959, 318.1847

 2.4863, 4.4175,
6.7207

270.7355,

 0.8884, 1.9097,

320.3778, 379.2827

3.2122

323.1941,
379.9332, 447.7405

0.0000, 0.5542,
1.2040

0.0000, 0.0000,
0.0000

51.2814, 66.0194,
82.7133

51.2814, 66.0194,
82.7133

48.0324, 64.3499,
82.3895

55.3156, 68.0968,
83.0770

45.5118, 63.0543,
82.0985

60.1756, 70.5984,
83.4781

43.6642, 62.1057,
81.8394

65.9062, 73.5488,
83.9203

42.4242, 61.4702,
81.6088

72.5473, 76.9686,
84.4053

■ 41.7130, 61.1074,
81.4033

■ 80.1364, 80.8770,
84.9348

■ 41.4169, 60.9579,
81.2461

■ 83.0499, 82.3752,
85.2459

■ 83.0835, 82.3886,
85.4223

■ 83.1170, 82.4020,
85.5991

■ 83.1506, 82.4154,
85.7760

Harmonies

Analogous

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



51.1399, 66.0194, 63.6272



51.2814, 66.0194, 82.7133



54.3510, 66.0194, 101.7504

Triad

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



51.2814, 66.0194, 82.7133



72.4577, 66.0194, 100.1601



65.7986, 66.0194, 41.8789

Complementary

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



51.2814, 66.0194, 82.7133



44.6878, 34.9922, 26.9555

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.



71.9714, 66.0194, 48.5211



51.2814, 66.0194, 82.7133



75.9952, 66.0194, 80.8257

Square

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



51.2814, 66.0194, 82.7133



66.4249, 66.0194, 112.9747



75.8112, 66.0194, 62.0436



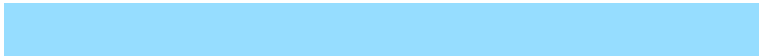
59.2122, 66.0194, 42.2036

Rectangle

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



51.2814, 66.0194, 82.7133



57.7766, 66.0194, 110.8681



75.8112, 66.0194, 62.0436



67.9998, 66.0194, 43.3127

Sweetspot

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



51.2834, 66.0220, 82.7148



84.6227, 94.6305, 108.1409



41.9038, 62.2993, 32.0082



17.8922, 20.1413, 23.1300



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.



51.2834, 66.0220, 82.7148



62.4212, 83.2042, 106.2465



40.4235, 44.0802, 79.7794



14.8006, 16.3337, 18.4806



23.9177, 35.1992, 46.9285



1.7696, 2.6020, 3.4791

Inverse Universe

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



44.6878, 34.9922, 26.9555



52.8463, 38.1491, 25.2932



52.3343, 50.3966, 29.1610



14.3832, 14.3705, 14.9521



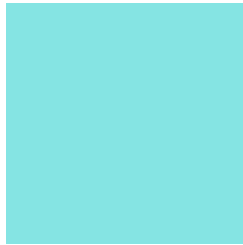
18.4854, 9.5284, 0.9189



1.3682, 0.7050, 0.0794

Previews

White Background



This preview shows how the XYZ color 51.2814, 66.0194, 82.7133 looks on a white background.

Color Contrast Check

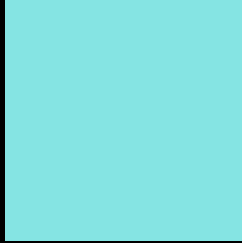
Large Text (above 18pt) WCAG AA × Fail

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 51.2814, 66.0194, 82.7133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

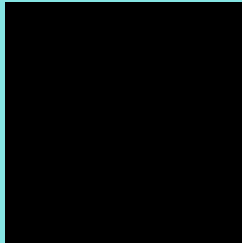
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

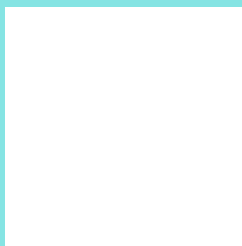
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2814, 66.0194, 82.7133

Background



This preview shows how black text looks on a background with the XYZ color 51.2814, 66.0194, 82.7133.



This preview shows how white text looks on a background with the XYZ color 51.2814, 66.0194,

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

51.2814, 66.0194, 82.7133

Protanopia

62.8818, 65.1972, 74.2358

Deuteranopia

66.5210, 65.0184, 85.3877



Tritanopia

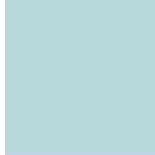
53.7356, 65.7854, 95.4536

Trichromacy



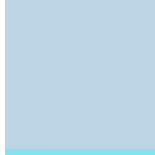
Original Color

51.2814, 66.0194, 82.7133



Protanomaly

57.4983, 64.9834, 77.2227



Deuteranomaly

59.3124, 64.2488, 84.1381



Tritanomaly

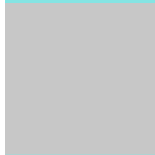
52.7823, 65.8000, 90.8077

Monochromacy



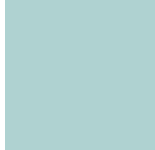
Original Color

51.2814, 66.0194, 82.7133



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

52.2344, 59.8106, 69.1132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2814, 66.0194, 82.7133 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(133, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(133, 228, 227)  
}
```

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(133, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 228, 227) }
```

Border

The CSS property to change the border of an element to XYZ 51.2814, 66.0194, 82.7133 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(133, 228, 227) }
```


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

```
.border{ border-color:rgb(133, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(133, 228,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2814, 66.0194, 82.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 228, 227) }
```

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

```
.background{ background-color: rgb(133,  
228, 227) }
```

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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