

Converting Colors

XYZ(52.1067, 65.5997, 85.1780)

Have a look what the booklet for
XYZ(52.1067, 65.5997, 85.1780)
contains.

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Color

**XYZ(52.1014, 65.5655,
85.5107)**

Conversions

Conversions Part 1

Format	Color
Hex	8AE2E7
RGB	138, 226, 231
RGB Percent	54%, 89%, 91%
CMY	0.4588, 0.1137, 0.0941
CMYK	0.40, 0.02, 0.00, 0.09
HSL	183°, 66%, 72%
HSV	183°, 40%, 91%
XYZ	52.1014, 65.5655, 85.5107
YIQ	200.2580, -54.0530, -17.1010

Conversions

Conversions Part 2

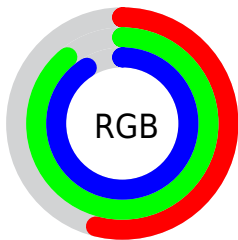
Format	Color
R _Y B	138, 183, 231
Decimal	9102055
CIE Lab	84.77, -25.17, -10.77
CIE LCh	85, 27.377, 203.175
Yxy	65.5655, 0.2564, 0.3227
Android (android.graphics.Color)	4287292135 (0xFF8AE2E7)
YUV	200.2580, 15.1558, -54.6003
Hunter-Lab	80.9725, -26.8469, -5.9322

Details

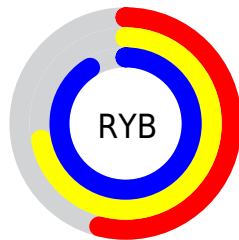
The XYZ color **52.1014, 65.5655, 85.5107** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.3660, 38.4697, 28.9753**, and the grayscale version is **54.9937, 57.8577, 63.0070**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **25.5059, 33.5939, 45.6974** is the 20% darker color. If you saturate the color by 10%, you get **48.3427, 63.1300, 85.2399**, and if you desaturate by 10%, it is **56.6792, 68.4300, 85.8235**.

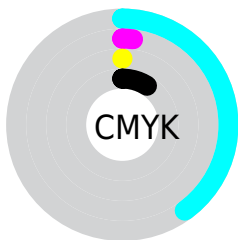
Distribution



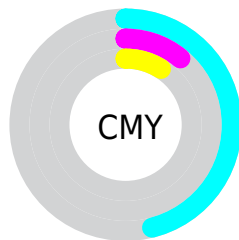
- Red (54%)
- Green (89%)
- Blue (91%)



- Red (54%)
- Yellow (72%)
- Blue (91%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)





- Cyan (46%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1014, 65.5655, 85.5107 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 52.1014, 65.5655, 85.5107 by changing the saturation by 10% instead.

 52.1014, 65.5655,
85.5107

 52.1014, 65.5655,
85.5107


385.1455,
444.8214, 533.5050

 37.3105, 47.9198,
63.7109


 92.4541, 112.8625,
142.9670

 25.6228, 33.7634,
45.9718


 118.7466,
143.2825, 179.4605

 16.6728, 22.7119,
31.8751


149.6037,
178.7295, 221.6890

 10.0954, 14.3809,
21.0021

185.3908,
219.5877, 270.0710

 5.5250, 8.3861,
12.9343

226.4731,
266.2416, 325.0251

 2.5963, 4.3430,
7.2531

273.2161,

 0.9441, 1.8672,

319.0756, 386.9697

3.5401

325.9851,
378.4740, 456.3235

■ 0.0000, 0.5285,
1.3766

■ 0.0000, 0.0000,
0.1233

■ 52.1014, 65.5655,
85.5107

■ 52.1014, 65.5655,
85.5107

■ 48.3427, 63.1300,
85.2399

■ 56.6792, 68.4300,
85.8235

■ 45.3452, 61.0891,
85.0039

■ 62.1177, 71.7402,
86.1758

■ 43.0529, 59.4153,
84.8016

■ 68.4625, 75.5213,
86.5712

■ 41.3995, 58.0744,
84.6300

■ 75.7546, 79.7944,
87.0116

■ 40.3060, 57.0258,
84.4852

■ 84.0321, 84.5792,
87.4989

■ 39.6481, 56.2177,
84.3639

■ 84.9311, 85.5639,
87.6416

■ 85.2847, 86.2710,
87.7594

■ 85.6408, 86.9831,
87.8781

■ 85.9993, 87.7002,
87.9976

Harmonies

Analogous

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



51.3354, 65.5655, 67.4543



52.1014, 65.5655, 85.5107



55.5191, 65.5655, 101.9524

Triad

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



52.1014, 65.5655, 85.5107



72.2339, 65.5655, 93.5859



63.7287, 65.5655, 42.8519

Complementary

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



52.1014, 65.5655, 85.5107



47.3660, 38.4697, 28.9753

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.



69.6505, 65.5655, 47.6410



52.1014, 65.5655, 85.5107



74.7649, 65.5655, 75.4752

Square

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



52.1014, 65.5655, 85.5107



67.0712, 65.5655, 107.1227



73.7899, 65.5655, 58.9157



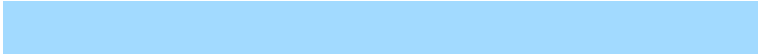
57.7949, 65.5655, 44.6439

Rectangle

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



52.1014, 65.5655, 85.5107



58.9694, 65.5655, 108.8073



73.7899, 65.5655, 58.9157



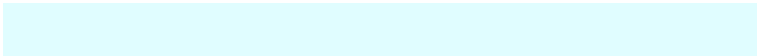
65.7911, 65.5655, 43.7154

Sweetspot

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



52.1034, 65.5681, 85.5122



84.1522, 93.6066, 108.2403



43.9900, 64.5290, 35.9862



17.7806, 19.8983, 23.1536



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.



52.1034, 65.5681, 85.5122



61.3572, 79.5688, 106.7322



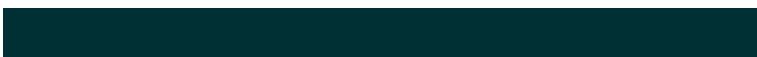
41.1975, 43.7564, 81.8770



14.7376, 16.1966, 18.4938



22.2569, 31.5760, 47.3049



1.6651, 2.3742, 3.5025

Inverse Universe

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



55.7726, 40.6585, 76.8627



66.5817, 44.7293, 94.2752



55.7737, 55.2852, 31.7779



14.9599, 14.6012, 17.9892



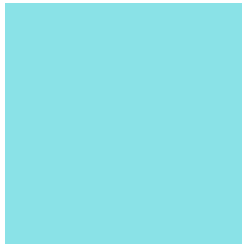
25.6278, 12.3853, 38.5304



1.9041, 0.9194, 2.9015

Previews

White Background



This preview shows how the XYZ color 52.1014, 65.5655, 85.5107 looks on a white background.

Color Contrast Check

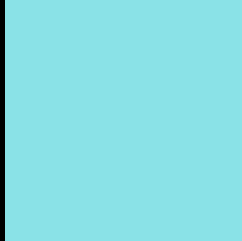
Large Text (above 18pt) WCAG AA × Fail

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 52.1014, 65.5655, 85.5107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

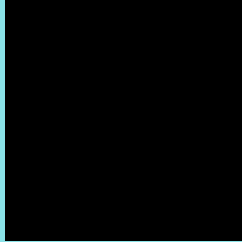
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1014, 65.5655, 85.5107

Background



This preview shows how black text looks on a background with the XYZ color 52.1014, 65.5655, 85.5107.



This preview shows how white text looks on a background with the XYZ color 52.1014, 65.5655,

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

52.1014, 65.5655, 85.5107

Protanopia

62.7156, 64.6703, 77.5838

Deuteranopia

66.0401, 64.7209, 87.6089



Tritanopia

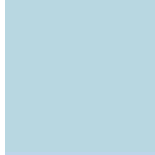
53.6672, 65.3848, 93.7964

Trichromacy



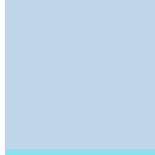
Original Color

52.1014, 65.5655, 85.5107



Protanomaly

57.6582, 64.2275, 80.5924



Deuteranomaly

59.8807, 64.4762, 87.1310



Tritanomaly

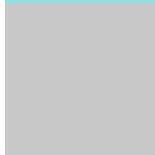
53.1730, 65.5989, 90.7483

Monochromacy



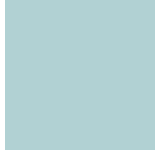
Original Color

52.1014, 65.5655, 85.5107



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.6898, 59.6512, 70.3648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1014, 65.5655, 85.5107 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(138, 226, 231)` looks like.

```
.text, #text, p{  
    color:rgb(138, 226, 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(138, 226, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 226, 231) }
```

Border

The CSS property to change the border of an element to XYZ 52.1014, 65.5655, 85.5107 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(138, 226, 231) }
```


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

```
.border{ border-color:rgb(138, 226, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 226, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 226, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 226, 231);  
box-shadow:4px 4px 4px 4px rgb(138, 226,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1014, 65.5655, 85.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 226, 231) }
```

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

```
.background{ background-color: rgb(138,  
226, 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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