

Converting Colors

XYZ(52.5092, 65.9593, 90.0486)

Have a look what the booklet for
XYZ(52.5092, 65.9593, 90.0486)
contains.

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Color

**XYZ(52.5867, 66.1209,
90.1118)**

Conversions

Conversions Part 1

Format	Color
Hex	86E3ED
RGB	134, 227, 237
RGB Percent	53%, 89%, 93%
CMY	0.4745, 0.1098, 0.0706
CMYK	0.43, 0.04, 0.00, 0.07
HSL	186°, 74%, 73%
HSV	186°, 43%, 93%
XYZ	52.5867, 66.1209, 90.1118
YIQ	200.3330, -58.6380, -16.6060

Conversions

Conversions Part 2

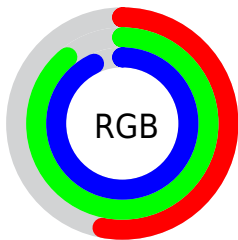
Format	Color
RYB	134, 183, 237
Decimal	8840173
CIELab	85.06, -25.12, -13.54
CIELCh	85, 28.539, 208.316
Yxy	66.1209, 0.2518, 0.3166
Android (android.graphics.Color)	4287030253 (0xFF86E3ED)
YUV	200.3330, 18.0768, -58.1740
Hunter-Lab	81.3148, -26.8639, -8.7840

Details

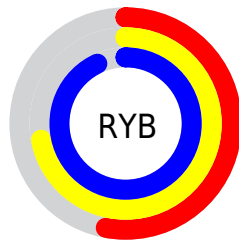
The XYZ color **52.5867, 66.1209, 90.1118** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49.2027, 39.6735, 27.6206**, and the grayscale version is **55.0246, 57.8902, 63.0424**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **25.8051, 33.9579, 48.9105** is the 20% darker color. If you saturate the color by 10%, you get **48.5997, 63.1392, 89.7476**, and if you desaturate by 10%, it is **57.4325, 69.5609, 90.5215**.

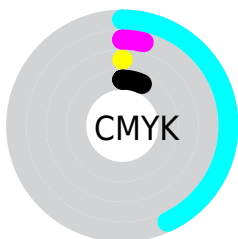
Distribution



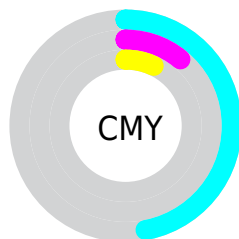
- Red (53%)
- Green (89%)
- Blue (93%)



- Red (53%)
- Yellow (72%)
- Blue (93%)



- Cyan (43%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)





- Cyan (47%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5867, 66.1209, 90.1118 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 52.5867, 66.1209, 90.1118 by changing the saturation by 10% instead.


 52.5867, 66.1209,
90.1118

 52.5867, 66.1209,
90.1118


386.9843,
446.8091, 548.9739


 37.6991, 48.3706,
67.4991

 93.1650, 113.6598,
149.4306

 25.9254, 34.1204,
49.0262


 119.5865,
144.2172, 186.9737

 16.9002, 22.9861,
34.2745


 150.5832,
179.8124, 230.3308

 10.2582, 14.5833,
22.8255

186.5207,
220.8298, 279.9204

 5.6341, 8.5274,
14.2606

227.7641,
267.6537, 336.1609

 2.6624, 4.4343,
8.1613

274.6790,

 0.9779, 1.9193,

320.6687, 399.4710

4.1091

327.6306,
380.2590, 470.2692

■ 0.0000, 0.5600,
1.6854

■ 0.0000, 0.0000,
0.3507

■ 52.5867, 66.1209,
90.1118

■ 52.5867, 66.1209,
90.1118

■ 48.5997, 63.1392,
89.7476

■ 57.4325, 69.5609,
90.5215

■ 45.4083, 60.5785,
89.4215

■ 63.1830, 73.4783,
90.9746

■ 42.9501, 58.4081,
89.1321

■ 69.8881, 77.9004,
91.4748

■ 41.1507, 56.5898,
88.8760

■ 77.5922, 82.8502,
92.0241

■ 39.9198, 55.0767,
88.6488

■ 86.3368, 88.3490,
92.6246

■ 39.3318, 54.2056,
88.5117

■ 87.9245, 90.1710,
92.8926

■ 88.6091, 91.5402,
93.1208

■ 89.3023, 92.9266,
93.3519

■ 90.0042, 94.3304,
93.5858

Harmonies

Analogous

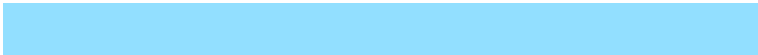
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.2898, 66.1209, 70.9596



52.5867, 66.1209, 90.1118



56.5787, 66.1209, 106.4888

Triad

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



52.5867, 66.1209, 90.1118



73.9541, 66.1209, 92.2198



63.2097, 66.1209, 42.1068

Complementary

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



52.5867, 66.1209, 90.1118



49.2027, 39.6735, 27.6206

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.



69.5597, 66.1209, 45.8917



52.5867, 66.1209, 90.1118



76.0192, 66.1209, 73.0393

Square

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



52.5867, 66.1209, 90.1118



68.8890, 66.1209, 107.8444



74.3596, 66.1209, 56.4843



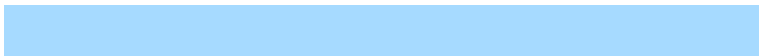
57.1670, 66.1209, 45.1258

Rectangle

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



52.5867, 66.1209, 90.1118



60.3774, 66.1209, 112.4914



74.3596, 66.1209, 56.4843



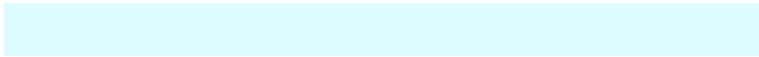
65.3809, 66.1209, 42.6108

Sweetspot

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



52.5887, 66.1235, 90.1133



82.8703, 92.2100, 108.0383



45.0437, 67.6087, 36.4990



17.3385, 19.4766, 23.0955



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.



52.5887, 66.1235, 90.1133



57.9232, 74.9677, 106.0251



40.8250, 42.5960, 86.1921



15.3854, 16.8573, 19.3651



21.5274, 29.7018, 48.3414



1.7267, 2.4049, 3.8081

Inverse Universe

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



57.3170, 40.6026, 77.4919



64.2951, 41.6960, 88.7651



58.5400, 58.3482, 30.7330



15.6481, 15.2871, 18.6982



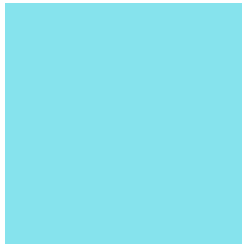
25.7213, 12.4912, 35.9295



2.0381, 0.9882, 2.9179

Previews

White Background



This preview shows how the XYZ color 52.5867, 66.1209, 90.1118 looks on a white background.

Color Contrast Check

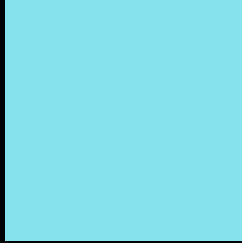
Large Text (above 18pt) WCAG AA × Fail

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 52.5867, 66.1209, 90.1118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

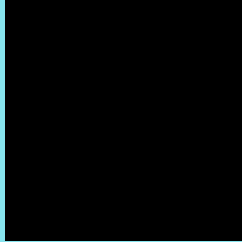
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.5867, 66.1209, 90.1118

Background



This preview shows how black text looks on a background with the XYZ color 52.5867, 66.1209, 90.1118.

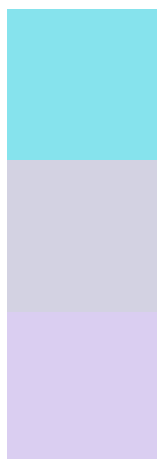


This preview shows how white text looks on a background with the XYZ color 52.5867, 66.1209,

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

52.5867, 66.1209, 90.1118

Protanopia

63.6380, 65.4331, 81.2273

Deuteranopia

66.8619, 65.3989, 92.3183



Tritanopia

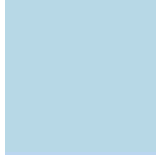
53.6788, 66.1586, 95.5287

Trichromacy



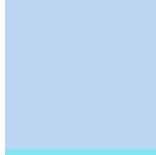
Original Color

52.5867, 66.1209, 90.1118



Protanomaly

58.3672, 64.8922, 84.3121



Deuteranomaly

60.2683, 64.9492, 91.7980



Tritanomaly

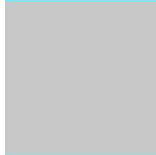
53.0652, 65.8945, 93.1412

Monochromacy



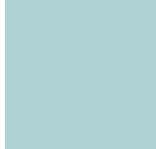
Original Color

52.5867, 66.1209, 90.1118



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.9613, 60.1274, 71.7652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5867, 66.1209, 90.1118 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(134, 227, 237)` looks like.

```
.text, #text, p{  
    color:rgb(134, 227, 237)  
}
```

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(134, 227, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 227, 237) }
```

Border

The CSS property to change the border of an element to XYZ 52.5867, 66.1209, 90.1118 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(134, 227, 237) }
```


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

```
.border{ border-color:rgb(134, 227, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 227, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 227, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 227, 237);  
box-shadow:4px 4px 4px 4px rgb(134, 227,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5867, 66.1209, 90.1118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 227, 237) }
```

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

```
.background{ background-color: rgb(134,  
227, 237) }
```

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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