

Converting Colors

XYZ(53.7694, 66.6939, 67.3421)

Have a look what the booklet for
XYZ(53.7694, 66.6939, 67.3421)
contains.

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Color

**XYZ(53.8213, 66.8593,
67.1952)**

Conversions

Conversions Part 1

Format	Color
Hex	A6E2CC
RGB	166, 226, 204
RGB Percent	65%, 89%, 80%
CMY	0.3490, 0.1137, 0.2000
CMYK	0.27, 0.00, 0.10, 0.11
HSL	158°, 51%, 77%
HSV	158°, 27%, 89%
XYZ	53.8213, 66.8593, 67.1952
YIQ	205.5520, -28.6980, -19.5620

Conversions

Conversions Part 2

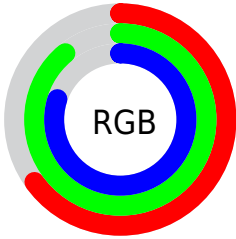
Format	Color
RYB	166, 203, 226
Decimal	10937036
CIELab	85.43, -23.55, 4.61
CIELCh	85, 23.998, 168.932
Yxy	66.8593, 0.2865, 0.3559
Android (android.graphics.Color)	4289127116 (0xFFA6E2CC)
YUV	205.5520, -0.7651, -34.6871
Hunter-Lab	81.7675, -25.6003, 8.5137

Details

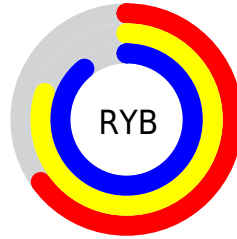
The XYZ color **53.8213, 66.8593, 67.1952** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0796, 47.0737, 53.8155**, and the grayscale version is **58.3993, 61.4406, 66.9088**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **26.5618, 34.3962, 34.0933** is the 20% darker color. If you saturate the color by 10%, you get **48.5262, 64.2432, 61.8967**, and if you desaturate by 10%, it is **60.0056, 69.9313, 72.8143**.

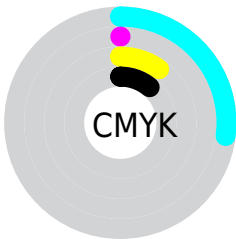
Distribution



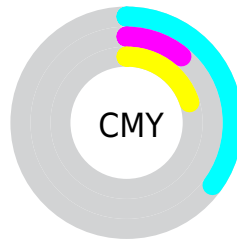
- Red (65%)
- Green (89%)
- Blue (80%)



- Red (65%)
- Yellow (80%)
- Blue (89%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (35%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8213, 66.8593, 67.1952 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 53.8213, 66.8593, 67.1952 by changing the saturation by 10% instead.


 53.8213, 66.8593,
67.1952


 53.8213, 66.8593,
67.1952


391.6377,
449.4438, 469.1597

 38.6889, 48.9703,
48.7807


 94.9702, 114.7188,
116.8434

 26.6974, 34.5959,
34.0812


 121.7175,
145.4580, 148.9141

 17.4815, 23.3518,
22.6781


153.0671,
181.2495, 186.3740

 10.6758, 14.8535,
14.1529

189.3844,
222.4776, 229.6416

 5.9150, 8.7166,
8.0871

231.0348,
269.5267, 279.1354

 2.8336, 4.5568,
4.0622

278.3835,

 1.0664, 1.9897,

322.7811, 335.2740

1.6595

331.7961,
382.6254, 398.4759

0.0000, 0.6014,
0.3328

0.0000, 0.0000,
0.0000

53.8213, 66.8593,
67.1952

53.8213, 66.8593,
67.1952

48.5262, 64.2432,
61.8967

60.0056, 69.9313,
72.8143

44.0703, 62.0519,
56.9080

67.1145, 73.4719,
78.7555

40.4070, 60.2633,
52.2239

75.1886, 77.5039,
85.0263

37.4829, 58.8499,
47.8376

83.7458, 81.7784,
91.6080

■ 35.2376, 57.7807,
43.7415

■ 84.9862, 82.2746,
98.1396

■ 33.6005, 57.0195,
39.9277

■ 86.2832, 82.7934,
104.9699

■ 32.4826, 56.5204,
36.3872

■ 86.4876, 82.8751,
106.0459

■ 32.1653, 56.3822,
35.2255

Harmonies

Analogous

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



55.9804, 66.8593, 54.8315



53.8213, 66.8593, 67.1952



54.1545, 66.8593, 82.9610

Triad

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



53.8213, 66.8593, 67.1952



67.0037, 66.8593, 104.9853



70.6733, 66.8593, 52.4608

Complementary

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



53.8213, 66.8593, 67.1952



54.0796, 47.0737, 53.8155

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.



73.9689, 66.8593, 63.5016



53.8213, 66.8593, 67.1952



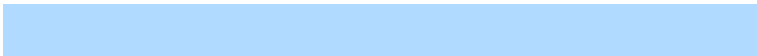
71.7681, 66.8593, 94.3152

Square

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



53.8213, 66.8593, 67.1952



61.5599, 66.8593, 106.3490



74.3807, 66.8593, 78.7048



65.5779, 66.8593, 47.1698

Rectangle

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



53.8213, 66.8593, 67.1952



55.7502, 66.8593, 93.3015



74.3807, 66.8593, 78.7048



72.0405, 66.8593, 55.5432

Sweetspot

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



53.8232, 66.8621, 67.1967



86.7578, 95.8617, 102.3470



55.0677, 67.9676, 46.2941



18.2557, 20.3618, 21.6494



0.0000, 0.0000, 0.0000



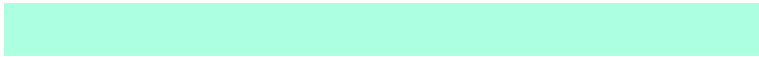
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.8232, 66.8621, 67.1967



66.6834, 85.8904, 84.3535



54.7870, 64.2637, 81.4712



13.8922, 15.4826, 16.4675



18.4085, 32.1882, 20.4060



1.3186, 2.2482, 1.6390

Inverse Universe

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



54.0796, 47.0737, 53.8155



67.0784, 55.6280, 63.9035



53.1926, 48.8108, 42.6953



13.9140, 13.7832, 15.3171



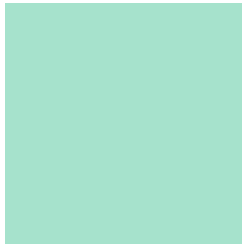
18.8335, 9.6004, 5.7889



1.3475, 0.6823, 0.6230

Previews

White Background



This preview shows how the XYZ color 53.8213, 66.8593, 67.1952 looks on a white background.

Color Contrast Check

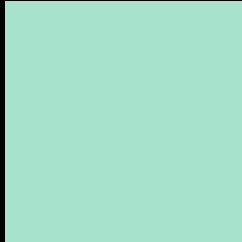
Large Text (above 18pt) WCAG AA × Fail

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 53.8213, 66.8593, 67.1952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

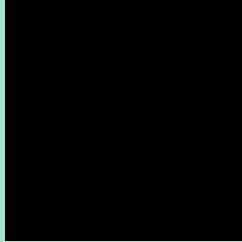
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

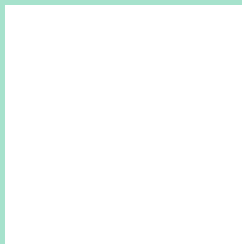
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.8213, 66.8593, 67.1952

Background



This preview shows how black text looks on a background with the XYZ color 53.8213, 66.8593, 67.1952.



This preview shows how white text looks on a background with the XYZ color 53.8213, 66.8593,

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

53.8213, 66.8593, 67.1952

Protanopia

63.0225, 66.2881, 61.6978

Deuteranopia

67.7174, 66.3588, 68.9140



Tritanopia

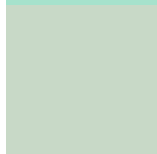
58.6700, 66.8291, 91.4684

Trichromacy



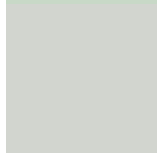
Original Color

53.8213, 66.8593, 67.1952



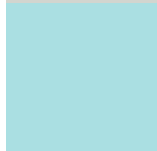
Protanomaly

58.9411, 66.0286, 63.6711



Deuteranomaly

61.6351, 65.7951, 68.4827



Tritanomaly

56.6927, 66.8124, 81.8596

Monochromacy



Original Color

53.8213, 66.8593, 67.1952



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.2996, 63.0726, 66.9645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8213, 66.8593, 67.1952 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(166, 226, 204)` looks like.

```
.text, #text, p{  
    color:rgb(166, 226, 204)  
}
```

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(166, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 226, 204) }
```

Border

The CSS property to change the border of an element to XYZ 53.8213, 66.8593, 67.1952 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(166, 226, 204) }
```


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

```
.border{ border-color:rgb(166, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(166, 226,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8213, 66.8593, 67.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 226, 204) }
```

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

```
.background{ background-color: rgb(166,  
226, 204) }
```

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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