

Converting Colors

XYZ(52.9856, 67.7811, 70.8077)

Have a look what the booklet for
XYZ(52.9856, 67.7811, 70.8077)
contains.

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Color

**XYZ(53.1319, 68.0671,
70.6595)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE6D1
RGB	154, 230, 209
RGB Percent	60%, 90%, 82%
CMY	0.3961, 0.0980, 0.1804
CMYK	0.33, 0.00, 0.09, 0.10
HSL	163°, 60%, 75%
HSV	163°, 33%, 90%
XYZ	53.1319, 68.0671, 70.6595
YIQ	204.8820, -38.5550, -22.6430

Conversions

Conversions Part 2

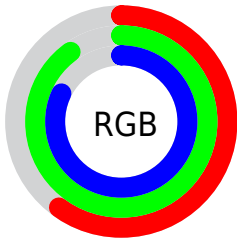
Format	Color
RYB	154, 198, 230
Decimal	10151633
CIELab	86.04, -27.94, 2.78
CIELCh	86, 28.080, 174.325
Yxy	68.0671, 0.2769, 0.3548
Android (android.graphics.Color)	4288341713 (0xFF9AE6D1)
YUV	204.8820, 2.0302, -44.6235
Hunter-Lab	82.5028, -29.4257, 6.9730

Details

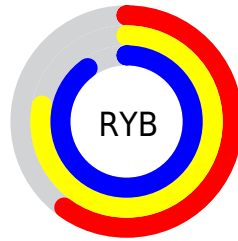
The XYZ color **53.1319, 68.0671, 70.6595** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.9290, 43.0312, 46.1292**, and the grayscale version is **57.9600, 60.9784, 66.4055**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **26.3080, 35.3480, 36.4466** is the 20% darker color. If you saturate the color by 10%, you get **48.3958, 65.7164, 66.4126**, and if you desaturate by 10%, it is **58.7420, 70.8682, 75.1142**.

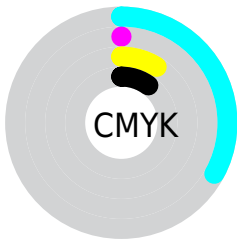
Distribution



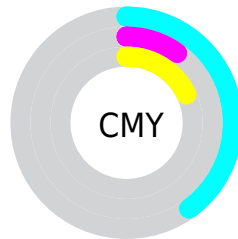
- Red (60%)
- Green (90%)
- Blue (82%)



- Red (60%)
- Yellow (78%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)





- Cyan (40%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1319, 68.0671, 70.6595 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 53.1319, 68.0671, 70.6595 by changing the saturation by 10% instead.


 53.1319, 68.0671,
70.6595


 53.1319, 68.0671,
70.6595


389.0435,
453.7337, 481.7138

 38.1360, 49.9523,
51.5842


 93.9628, 116.4481,
121.8387

 26.2659, 35.3755,
36.2938

 120.5285,
147.4832, 154.7797

 17.1564, 23.9523,
24.3697

151.6815,
183.5938, 193.1797

 10.4421, 15.2982,
15.3934

187.7872,
225.1643, 237.4573

 5.7575, 9.0290,
8.9463

229.2109,
272.5792, 288.0309

 2.7375, 4.7601,
4.6098

276.3179,

 1.0165, 2.1072,

326.2228, 345.3192

1.9655

329.4737,
386.4795, 409.7407

■ 0.0000, 0.6687,
0.5339

■ 0.0000, 0.0000,
0.0000

■ 53.1319, 68.0671,
70.6595

■ 53.1319, 68.0671,
70.6595

■ 48.3958, 65.7164,
66.4126

■ 58.7420, 70.8682,
75.1142

■ 44.4794, 63.7830,
62.3646

■ 65.2649, 74.1345,
79.7759

■ 41.3315, 62.2422,
58.5127

■ 72.7440, 77.8900,
84.6499

■ 38.8922, 61.0632,
54.8521

■ 81.2182, 82.1547,
89.7399

■ 37.0926, 60.2105,
51.3776

■ 85.3826, 84.1939,
94.7993

■ 35.8496, 59.6413,
48.0833

■ 86.3478, 84.5799,
99.8819

■ 35.2217, 59.3655,
45.8925

■ 87.3465, 84.9794,
105.1407

■ 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



55.1428, 68.0671, 55.2842



53.1319, 68.0671, 70.6595



54.0486, 68.0671, 89.7137

Triad

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



53.1319, 68.0671, 70.6595



69.9353, 68.0671, 111.3820



72.1946, 68.0671, 48.8615

Complementary

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



53.1319, 68.0671, 70.6595



51.9290, 43.0312, 46.1292

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.



76.6566, 68.0671, 60.4355



53.1319, 68.0671, 70.6595



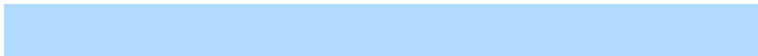
75.2928, 68.0671, 96.7957

Square

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



53.1319, 68.0671, 70.6595



63.4782, 68.0671, 115.3333



77.8263, 68.0671, 77.6783



65.9288, 68.0671, 44.1114

Rectangle

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



53.1319, 68.0671, 70.6595



56.2299, 68.0671, 101.7782



77.8263, 68.0671, 77.6783



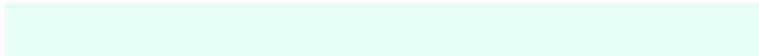
73.9714, 68.0671, 51.9796

Sweetspot

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



53.1338, 68.0699, 70.6611



85.1689, 95.0348, 102.6235



51.9309, 68.1054, 40.9817



17.9539, 20.2030, 21.7816



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.



53.1338, 68.0699, 70.6611



62.7362, 83.8280, 85.4115



51.5401, 60.4430, 83.8163



14.6286, 16.2649, 17.5750



19.9940, 33.6297, 26.2664



1.5163, 2.5006, 2.1453

Inverse Universe

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



51.9290, 43.0312, 46.1292



60.9909, 47.3864, 49.7487



52.9305, 48.0828, 37.0643



14.5398, 14.4331, 15.7771



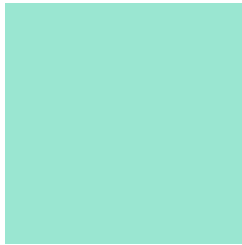
19.0364, 9.7488, 3.8205



1.4451, 0.7358, 0.4847

Previews

White Background



This preview shows how the XYZ color 53.1319, 68.0671, 70.6595 looks on a white background.

Color Contrast Check

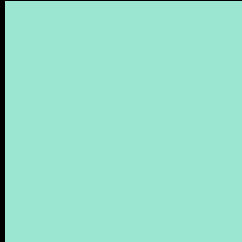
Large Text (above 18pt) WCAG AA × Fail

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 53.1319, 68.0671, 70.6595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

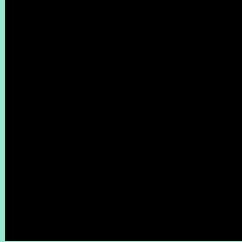
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

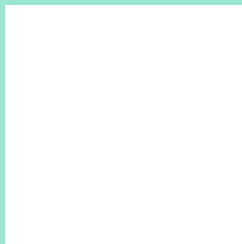
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1319, 68.0671, 70.6595

Background



This preview shows how black text looks on a background with the XYZ color 53.1319, 68.0671, 70.6595.

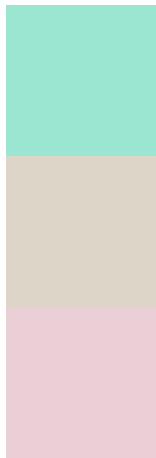


This preview shows how white text looks on a background with the XYZ color 53.1319, 68.0671,

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

53.1319, 68.0671, 70.6595

Protanopia

64.0384, 67.1308, 64.2259

Deuteranopia

68.7114, 67.1429, 72.9567



Tritanopia

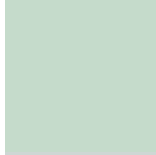
58.0032, 68.0029, 94.8628

Trichromacy



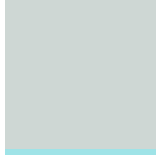
Original Color

53.1319, 68.0671, 70.6595



Protanomaly

59.1370, 66.8451, 66.2855



Deuteranomaly

61.6377, 66.4762, 71.8699



Tritanomaly

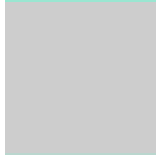
56.1910, 68.0786, 85.7802

Monochromacy



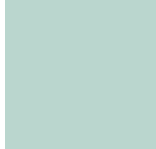
Original Color

53.1319, 68.0671, 70.6595



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.4368, 62.9885, 67.6287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1319, 68.0671, 70.6595 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(154, 230, 209)` looks like.

```
.text, #text, p{  
    color:rgb(154, 230, 209)  
}
```

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(154, 230, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 230, 209) }
```

Border

The CSS property to change the border of an element to XYZ 53.1319, 68.0671, 70.6595 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(154, 230, 209) }
```


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

```
.border{ border-color:rgb(154, 230, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 230, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 230, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 230, 209);  
box-shadow:4px 4px 4px 4px rgb(154, 230,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1319, 68.0671, 70.6595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 230, 209) }
```

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

```
.background{ background-color: rgb(154,  
230, 209) }
```

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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