

Converting Colors

XYZ(53.1104, 63.8689, 68.2574)

Have a look what the booklet for
XYZ(53.1104, 63.8689, 68.2574)
contains.

XYZ(52.9562, 63.6030, 68.5170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.9562, 63.6030,
68.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	A9DBC F
RGB	169, 219, 207
RGB Percent	66%, 86%, 81%
CMY	0.3372, 0.1412, 0.1882
CMYK	0.23, 0.00, 0.05, 0.14
HSL	166°, 41%, 76%
HSV	166°, 23%, 86%
XYZ	52.9562, 63.6030, 68.5170
YIQ	202.6820, -25.9480, -14.3320

Conversions

Conversions Part 2

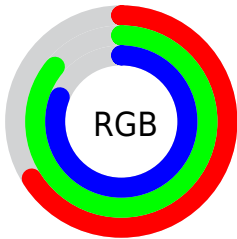
Format	Color
RYB	169, 197, 219
Decimal	11131855
CIELab	83.76, -18.56, 0.61
CIELCh	84, 18.574, 178.114
Yxy	63.6030, 0.2861, 0.3437
Android (android.graphics.Color)	4289321935 (0xFFA9DBCf)
YUV	202.6820, 2.1288, -29.5391
Hunter-Lab	79.7515, -21.0384, 4.8881

Details

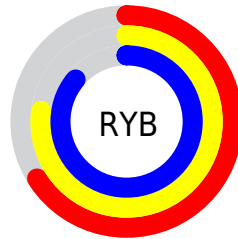
The XYZ color **52.9562, 63.6030, 68.5170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.7441, 46.7740, 50.0198**, and the grayscale version is **56.5655, 59.5113, 64.8078**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **26.2277, 32.5638, 35.0401** is the 20% darker color. If you saturate the color by 10%, you get **48.0140, 61.1299, 64.9873**, and if you desaturate by 10%, it is **58.7104, 66.4956, 72.1991**.

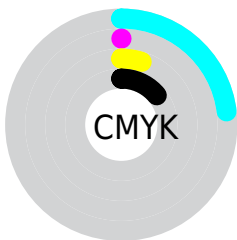
Distribution



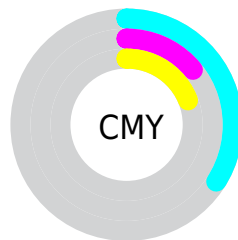
- Red (66%)
- Green (86%)
- Blue (81%)



- Red (66%)
- Yellow (77%)
- Blue (86%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)



- Cyan (34%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9562, 63.6030, 68.5170 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 52.9562, 63.6030, 68.5170 by changing the saturation by 10% instead.

■ 52.9562, 63.6030,
68.5170

■ 52.9562, 63.6030,
68.5170

388.3807,
437.7546, 473.9733

■ 37.9951, 46.3292,
49.8491

■ 93.7058, 110.0390,
118.7526

■ 26.1561, 32.5057,
34.9232

120.2251,
139.9700, 151.1575

■ 17.0738, 21.7480,
23.3206

151.3278,
174.8888, 188.9784

■ 10.3827, 13.6719,
14.6229

187.3794,
215.1799, 232.6340

■ 5.7177, 7.8928,
8.4115

228.7451,
261.2276, 282.5427

■ 2.7132, 4.0264,
4.2678

275.7903,

■ 1.0040, 1.6884,

313.4164, 339.1232

1.7734

328.8804,
372.1306, 402.7939

■ 0.0000, 0.4161,
0.4103

■ 0.0000, 0.0000,
0.0000

■ 52.9562, 63.6030,
68.5170

■ 52.9562, 63.6030,
68.5170

■ 48.0140, 61.1299,
64.9873

■ 58.7104, 66.4956,
72.1991

■ 43.8389, 59.0482,
61.6028

■ 65.3078, 69.8186,
76.0322

■ 40.3901, 57.3384,
58.3619

■ 72.7845, 73.5925,
80.0202

■ 37.6205, 55.9764,
55.2612

■ 80.5804, 77.5284,
84.1380

■ 35.4775, 54.9350,
52.2972

■ 81.3217, 77.8249,
88.0415

■ 33.9003, 54.1830,
49.4659

■ 82.0853, 78.1303,
92.0629

■ 32.8161, 53.6827,
46.7627

■ 82.8716, 78.4448,
96.2033

■ 32.2554, 53.4344,
44.8991

■ 83.6806, 78.7685,
100.4635

■ 84.5126, 79.1012,
104.8447

Harmonies

Analogous

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



54.0419, 63.6030, 58.0647



52.9562, 63.6030, 68.5170



53.8030, 63.6030, 80.3723

Triad

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



52.9562, 63.6030, 68.5170



64.2199, 63.6030, 90.9863



64.6860, 63.6030, 51.8960

Complementary

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



52.9562, 63.6030, 68.5170



51.7441, 46.7740, 50.0198

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.



67.6290, 63.6030, 59.2094



52.9562, 63.6030, 68.5170



67.3515, 63.6030, 81.7931

Square

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



52.9562, 63.6030, 68.5170



60.1953, 63.6030, 94.1838



68.6253, 63.6030, 69.9940



60.7110, 63.6030, 49.1623

Rectangle

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



52.9562, 63.6030, 68.5170



55.3718, 63.6030, 87.3345



68.6253, 63.6030, 69.9940



65.8354, 63.6030, 53.8568

Sweetspot

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



52.9580, 63.6056, 68.5184



88.1029, 96.4974, 105.0139



51.6685, 63.4146, 47.0543



18.7356, 20.5929, 22.4067



0.0000, 0.0000, 0.0000



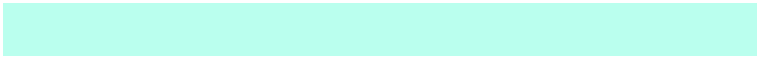
20.3446, 21.4041, 23.3091

Same Dimension

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



52.9580, 63.6056, 68.5184



71.5484, 88.1788, 94.5029



51.3422, 57.9356, 75.4974



13.3043, 14.7733, 16.0652



19.1699, 31.7006, 26.8581



1.2747, 2.0668, 1.9127

Inverse Universe

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



51.7441, 46.7740, 50.0198



69.5716, 60.7375, 64.3550



53.0027, 51.1780, 44.6221



13.1835, 13.1025, 14.2277



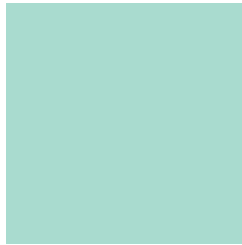
17.7334, 9.0944, 2.9761



1.1827, 0.6027, 0.3712

Previews

White Background



This preview shows how the XYZ color 52.9562, 63.6030, 68.5170 looks on a white background.

Color Contrast Check

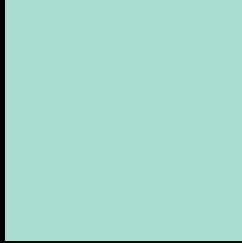
Large Text (above 18pt) WCAG AA × Fail

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 52.9562, 63.6030, 68.5170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

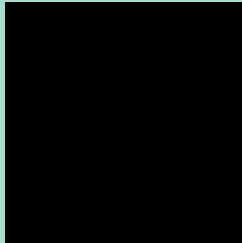
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

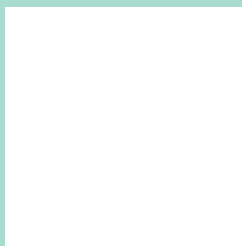
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.9562, 63.6030, 68.5170

Background



This preview shows how black text looks on a background with the XYZ color 52.9562, 63.6030, 68.5170.

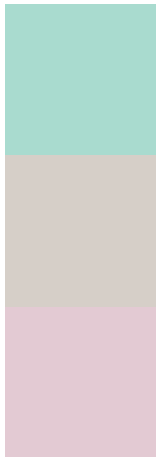


This preview shows how white text looks on a background with the XYZ color 52.9562, 63.6030,

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

52.9562, 63.6030, 68.5170

Protanopia

60.4697, 63.0919, 63.6344

Deuteranopia

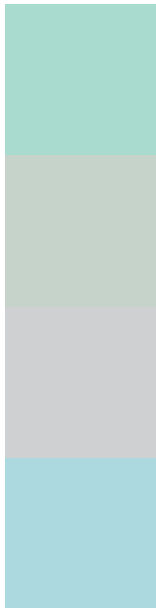
64.5570, 63.2751, 70.4388



Tritanopia

56.3215, 63.4257, 85.6179

Trichromacy



Original Color

52.9562, 63.6030, 68.5170

Protanomaly

57.3625, 62.9061, 65.6187

Deuteranomaly

59.6423, 62.8867, 69.9676

Tritanomaly

54.8884, 63.2101, 79.1199

Monochromacy



Original Color

52.9562, 63.6030, 68.5170

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.1854, 61.0369, 65.9995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9562, 63.6030, 68.5170 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(169, 219, 207)` looks like.

```
.text, #text, p{  
    color:rgb(169, 219, 207)  
}
```

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(169, 219, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 219, 207) }
```

Border

The CSS property to change the border of an element to XYZ 52.9562, 63.6030, 68.5170 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(169, 219, 207) }
```


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

```
.border{ border-color:rgb(169, 219, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 219, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 219, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 219, 207);  
box-shadow:4px 4px 4px 4px rgb(169, 219,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9562, 63.6030, 68.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 219, 207) }
```

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

```
.background{ background-color: rgb(169,  
219, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor