

Converting Colors

XYZ(49.3144, 56.6812, 65.5944)

Have a look what the booklet for
XYZ(49.3144, 56.6812, 65.5944)
contains.

XYZ(49.3080, 56.5683, 65.4467)	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(49.3080, 56.5683,
65.4467)**

Conversions

Conversions Part 1

Format	Color
Hex	AACDCC
RGB	170, 205, 204
RGB Percent	67%, 80%, 80%
CMY	0.3333, 0.1961, 0.2000
CMYK	0.17, 0.00, 0.00, 0.20
HSL	178°, 26%, 74%
HSV	178°, 17%, 80%
XYZ	49.3080, 56.5683, 65.4467
YIQ	194.4210, -20.5390, -7.7310

Conversions

Conversions Part 2

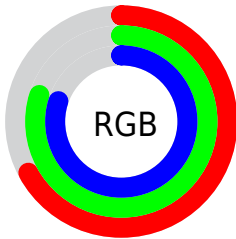
Format	Color
R _{YB}	170, 188, 205
Decimal	11193804
CIE _{Lab}	79.94, -11.76, -3.38
CIE _{LCh}	80, 12.237, 196.033
Yxy	56.5683, 0.2878, 0.3302
Android (android.graphics.Color)	4289383884 (0xFFAACDCC)
YUV	194.4210, 4.7224, -21.4172
Hunter-Lab	75.2119, -14.5984, 1.0563

Details

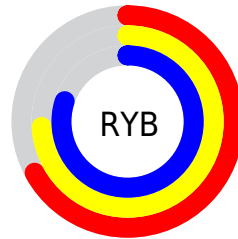
The XYZ color **49.3080, 56.5683, 65.4467** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9043, 44.6705, 44.6807**, and the grayscale version is **51.5105, 54.1931, 59.0162**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **23.9077, 28.1171, 33.0212** is the 20% darker color. If you saturate the color by 10%, you get **45.1474, 54.4331, 64.8861**, and if you desaturate by 10%, it is **54.1632, 59.0646, 66.0436**.

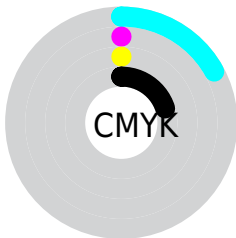
Distribution



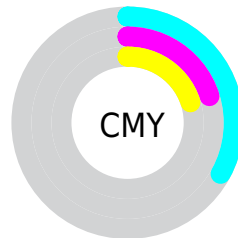
- Red (67%)
- Green (80%)
- Blue (80%)



- Red (67%)
- Yellow (74%)
- Blue (80%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3080, 56.5683, 65.4467 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 49.3080, 56.5683, 65.4467 by changing the saturation by 10% instead.

■ 49.3080, 56.5683,
65.4467

■ 49.3080, 56.5683,
65.4467

374.4505,
411.8297, 462.7456

■ 35.0794, 40.6587,
47.3697

■ 88.3467, 99.8350,
114.3112

■ 23.8909, 28.0525,
32.9716

113.8875,
127.9609, 145.9359

■ 15.3770, 18.3653,
21.8338

143.9298,
160.9278, 182.9136

■ 9.1724, 11.2125,
13.5377

178.8389,
199.1200, 225.6628

■ 4.9118, 6.2100,
7.6647

218.9801,
242.9219, 274.6020

■ 2.2298, 2.9732,
3.7965

264.7189,

■ 0.7584, 1.1177,

292.7178, 330.1499

1.5144

316.4206,
348.8923, 392.7249

■ 0.0000, 0.0000,
0.2286

■ 0.0000, 0.0000,
0.0000

■ 49.3080, 56.5683,
65.4467

■ 49.3080, 56.5683,
65.4467

■ 45.1474, 54.4331,
64.8861

■ 54.1632, 59.0646,
66.0436

■ 41.6447, 52.6354,
64.3565

■ 59.7379, 61.9303,
66.6743

■ 38.7668, 51.1599,
63.8576

■ 66.0619, 65.1822,
67.3415

■ 36.4764, 49.9872,
63.3875

■ 73.1619, 68.8341,
68.0463

■ 34.7318, 49.0958,
62.9443

■ 74.3272, 69.4266,
68.4749

■ 33.4859, 48.4615,
62.5259

■ 74.3991, 69.4554,
68.8536

■ 32.6837, 48.0559,
62.1296

■ 74.4713, 69.4842,
69.2338

■ 32.2514, 47.8410,
61.7519

■ 74.5438, 69.5132,
69.6154

■ 32.1564, 47.7943,
61.6432

■ 74.6165, 69.5423,
69.9984

Harmonies

Analogous

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



49.2660, 56.5683, 58.3523



49.3080, 56.5683, 65.4467



50.5202, 56.5683, 71.9658

Triad

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



49.3080, 56.5683, 65.4467



57.2758, 56.5683, 71.5798



54.9268, 56.5683, 49.2565

Complementary

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



49.3080, 56.5683, 65.4467



46.9043, 44.6705, 44.6807

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.



57.1489, 56.5683, 52.2686



49.3080, 56.5683, 65.4467



58.5331, 56.5683, 64.9521

Square

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



49.3080, 56.5683, 65.4467



55.0957, 56.5683, 75.6885



58.4859, 56.5683, 57.8941



52.4588, 56.5683, 49.3665

Rectangle

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



49.3080, 56.5683, 65.4467



51.8507, 56.5683, 74.9488



58.4859, 56.5683, 57.8941



55.7289, 56.5683, 49.9268

Sweetspot

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



49.3096, 56.5706, 65.4480



90.4551, 97.6380, 108.3783



45.9197, 55.2439, 46.2743



19.2282, 20.8302, 23.1820



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.



49.3096, 56.5706, 65.4480



78.4775, 91.4836, 106.9012



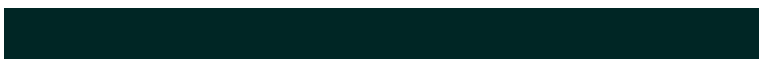
45.7247, 49.2076, 64.8483



11.5289, 12.7213, 14.3423



20.0240, 29.7549, 38.4069



1.0375, 1.5368, 2.0049

Inverse Universe

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



46.9043, 44.6705, 44.6807



73.9081, 68.8758, 67.4488



50.0638, 51.1419, 45.2641



11.2251, 11.2188, 11.7202



15.6995, 8.0904, 0.8705



0.8146, 0.4192, 0.0695

Previews

White Background



This preview shows how the XYZ color 49.3080, 56.5683, 65.4467 looks on a white background.

Color Contrast Check

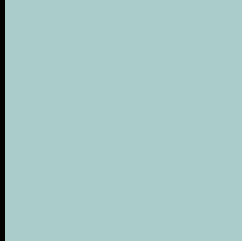
Large Text (above 18pt) WCAG AA × Fail

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 49.3080, 56.5683, 65.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

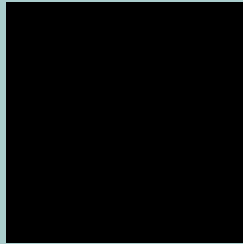
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3080, 56.5683, 65.4467

Background



This preview shows how black text looks on a background with the XYZ color 49.3080, 56.5683, 65.4467.

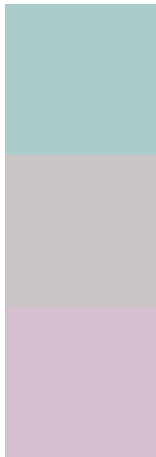


This preview shows how white text looks on a background with the XYZ color 49.3080, 56.5683,

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

49.3080, 56.5683, 65.4467

Protanopia

54.3624, 56.4735, 62.0681

Deuteranopia

57.5527, 56.3504, 66.8748



Tritanopia

51.3757, 56.7106, 75.2563

Trichromacy



Original Color

49.3080, 56.5683, 65.4467

Protanomaly

52.4321, 56.4727, 63.3952

Deuteranomaly

54.1328, 56.2591, 66.3985

Tritanomaly

50.7437, 56.8114, 71.9096

Monochromacy



Original Color

49.3080, 56.5683, 65.4467

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.3947, 54.7797, 61.3435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3080, 56.5683, 65.4467 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(170, 205, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 205, 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(170, 205, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 205, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.3080, 56.5683, 65.4467 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(170, 205, 204) }
```


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

```
.border{ border-color:rgb(170, 205, 204) }
```

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

Here you see how a box with a 4 pixel rgb(170, 205, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 205, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 205, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 205,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3080, 56.5683, 65.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 205, 204) }
```

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

```
.background{ background-color: rgb(170,  
205, 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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