

Converting Colors

XYZ(46.6660, 54.9284, 68.1265)

Have a look what the booklet for
XYZ(46.6660, 54.9284, 68.1265)
contains.

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Color

**XYZ(46.4956, 54.7084,
67.7837)**

Conversions

Conversions Part 1

Format	Color
Hex	9BCCD0
RGB	155, 204, 208
RGB Percent	61%, 80%, 82%
CMY	0.3921, 0.2000, 0.1843
CMYK	0.25, 0.02, 0.00, 0.18
HSL	185°, 36%, 71%
HSV	185°, 25%, 82%
XYZ	46.4956, 54.7084, 67.7837
YIQ	189.8050, -30.4880, -9.1440

Conversions

Conversions Part 2

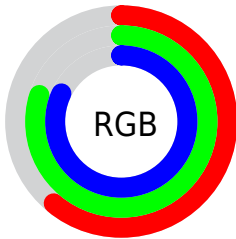
Format	Color
R_{YB}	155, 180, 208
Decimal	10210512
CIE _{Lab}	78.87, -14.97, -7.20
CIE _{LCh}	79, 16.608, 205.685
Yxy	54.7084, 0.2751, 0.3237
Android (android.graphics.Color)	4288400592 (0xFF9BCCD0)
YUV	189.8050, 8.9701, -30.5240
Hunter-Lab	73.9651, -17.2312, -2.5594

Details

The XYZ color **46.4956, 54.7084, 67.7837** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3275, 40.5729, 36.5065**, and the grayscale version is **48.7953, 51.3364, 55.9054**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **22.2186, 26.9706, 34.6066** is the 20% darker color. If you saturate the color by 10%, you get **42.4719, 52.0847, 67.4903**, and if you desaturate by 10%, it is **51.2138, 57.6985, 68.1131**.

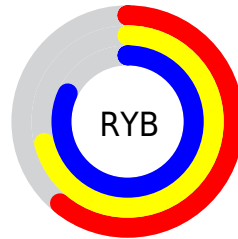
Distribution



Red (61%)

Green (80%)

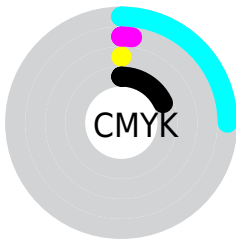
Blue (82%)



Red (61%)

Yellow (71%)

Blue (82%)

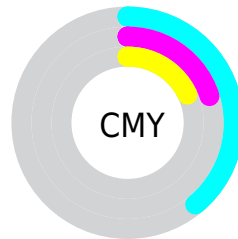


Cyan (25%)

Magenta (2%)

Yellow (0%)

Black (18%)



Cyan (39%)


Magenta (20%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4956, 54.7084, 67.7837 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 46.4956, 54.7084, 67.7837 by changing the saturation by 10% instead.


 46.4956, 54.7084,
67.7837


 46.4956, 54.7084,
67.7837


363.4802,
404.8056, 471.3065

 32.8434, 39.1683,
49.2562


 84.1836, 97.1136,
117.6939

 22.1651, 26.8907,
34.4557


 108.9500,
124.7475, 149.9138

 14.0956, 17.4911,
22.9637


138.1518,
157.1814, 187.5348

 8.2693, 10.5853,
14.3617

172.1545,
194.7998, 230.9755

 4.3210, 5.7887,
8.2310

211.3233,
237.9870, 280.6545

 1.8853, 2.7170,
4.1532

256.0236,

 0.5683, 0.9859,

287.1274, 336.9903

1.7098

306.6208,
342.6055, 400.4015

■ 0.0000, 0.0000,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 46.4956, 54.7084,
67.7837

■ 46.4956, 54.7084,
67.7837

■ 42.4719, 52.0847,
67.4903

■ 51.2138, 57.6985,
68.1131

■ 39.1028, 49.8027,
67.2273

■ 56.6546, 61.0652,
68.4762

■ 36.3513, 47.8446,
66.9944

■ 62.8500, 64.8266,
68.8756

■ 34.1752, 46.1886,
66.7895

■ 69.8290, 68.9976,
69.3129

■ 32.5267, 44.8101,
66.6103

■ 76.1309, 72.8252,
69.7195

■ 31.3503, 43.6805,
66.4543

■ 76.5246, 73.6126,
69.8508

■ 30.5780, 42.7647,
66.3182

■ 76.9221, 74.4077,
69.9833

■ 30.3039, 42.3912,
66.2605

■ 77.3235, 75.2104,
70.1171

■ 77.7287, 76.0209,
70.2522

Harmonies

Analogous

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



45.9335, 54.7084, 58.2135



46.4956, 54.7084, 67.7837



48.5083, 54.7084, 75.8467

Triad

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



46.4956, 54.7084, 67.7837



57.4091, 54.7084, 70.3935



52.4768, 54.7084, 43.2451

Complementary

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



46.4956, 54.7084, 67.7837



44.3275, 40.5729, 36.5065

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.



55.6527, 54.7084, 45.8033



46.4956, 54.7084, 67.7837



58.5756, 54.7084, 60.9437

Square

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



46.4956, 54.7084, 67.7837



54.7933, 54.7084, 77.4616



57.9197, 54.7084, 52.0448



49.3007, 54.7084, 44.6671

Rectangle

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



46.4956, 54.7084, 67.7837



50.4479, 54.7084, 78.9357



57.9197, 54.7084, 52.0448



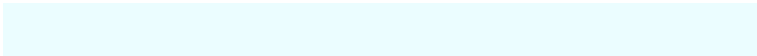
53.5809, 54.7084, 43.6599

Sweetspot

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



46.4972, 54.7106, 67.7849



87.4501, 95.3564, 108.4043



42.2920, 54.5683, 40.8938



18.4307, 20.2331, 23.1839



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.



46.4972, 54.7106, 67.7849



69.8306, 84.2191, 107.1832



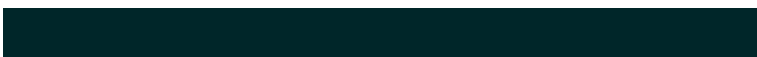
40.8175, 43.3512, 65.8917



12.0789, 13.2481, 15.1642



18.9184, 26.4834, 41.3072



1.0810, 1.5273, 2.3174

Inverse Universe

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



48.6341, 41.2134, 62.5210



73.8603, 59.1330, 97.1745



49.2857, 50.4894, 38.1592



12.2707, 11.9930, 14.7014



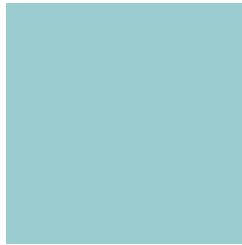
22.1799, 10.7448, 32.1830



1.2519, 0.6055, 1.8612

Previews

White Background



This preview shows how the XYZ color 46.4956, 54.7084, 67.7837 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 46.4956, 54.7084, 67.7837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

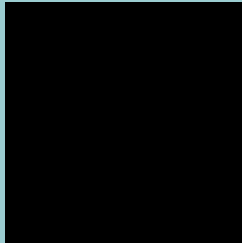
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4956, 54.7084, 67.7837

Background



This preview shows how black text looks on a background with the XYZ color 46.4956, 54.7084, 67.7837.



This preview shows how white text looks on a background with the XYZ color 46.4956, 54.7084,

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

46.4956, 54.7084, 67.7837

Protanopia

52.7174, 54.5836, 63.6343

Deuteranopia

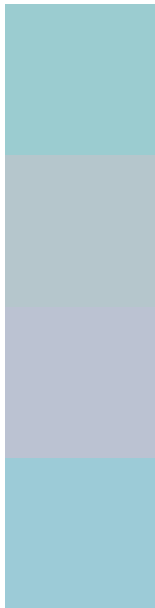
55.4091, 54.2202, 69.1732



Tritanopia

47.8113, 54.5236, 75.0220

Trichromacy



Original Color

46.4956, 54.7084, 67.7837

Protanomaly

50.1492, 54.5716, 65.0170

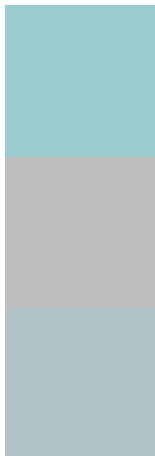
Deuteranomaly

51.4182, 53.8015, 68.6475

Tritanomaly

47.3320, 54.6861, 72.3508

Monochromacy



Original Color

46.4956, 54.7084, 67.7837

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.7246, 52.4085, 60.4238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4956, 54.7084, 67.7837 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(155, 204, 208)` looks like.

```
.text, #text, p{  
    color:rgb(155, 204, 208)  
}
```

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(155, 204, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 204, 208) }
```

Border

The CSS property to change the border of an element to XYZ 46.4956, 54.7084, 67.7837 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(155, 204, 208) }
```


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

```
.border{ border-color:rgb(155, 204, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 204, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 204, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 204, 208);  
box-shadow:4px 4px 4px 4px rgb(155, 204,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4956, 54.7084, 67.7837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 204, 208) }
```

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

```
.background{ background-color: rgb(155,  
204, 208) }
```

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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