

Converting Colors

XYZ(47.4647, 57.6166, 67.6328)

Have a look what the booklet for
XYZ(47.4647, 57.6166, 67.6328)
contains.

XYZ(47.5056, 57.7689, 67.6782)	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(47.5056, 57.7689,
67.6782)**

Conversions

Conversions Part 1

Format	Color
Hex	98D3CF
RGB	152, 211, 207
RGB Percent	60%, 83%, 81%
CMY	0.4039, 0.1725, 0.1882
CMYK	0.28, 0.00, 0.02, 0.17
HSL	176°, 40%, 71%
HSV	176°, 28%, 83%
XYZ	47.5056, 57.7689, 67.6782
YIQ	192.9030, -33.8800, -13.7520

Conversions

Conversions Part 2

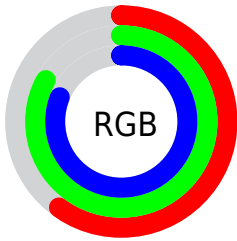
Format	Color
R _Y B	152, 183, 211
Decimal	10015695
CIE Lab	80.61, -19.62, -4.11
CIE LCh	81, 20.049, 191.843
Yxy	57.7689, 0.2747, 0.3340
Android (android.graphics.Color)	4288205775 (0xFF98D3CF)
YUV	192.9030, 6.9498, -35.8719
Hunter-Lab	76.0059, -21.4432, 0.4103

Details

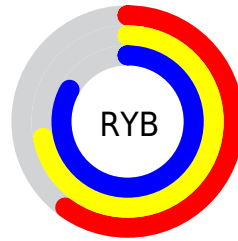
The XYZ color **47.5056, 57.7689, 67.6782** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0949, 38.7072, 36.6018**, and the grayscale version is **50.6076, 53.2431, 57.9818**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **22.7838, 28.7295, 34.4815** is the 20% darker color. If you saturate the color by 10%, you get **43.7286, 55.8434, 66.5932**, and if you desaturate by 10%, it is **51.9901, 60.0619, 68.8071**.

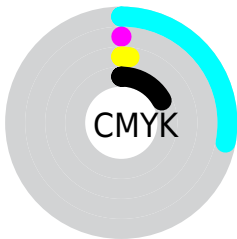
Distribution



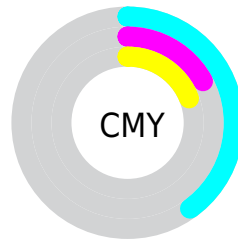
- Red (60%)
- Green (83%)
- Blue (81%)



- Red (60%)
- Yellow (72%)
- Blue (83%)



- Cyan (28%)
- Magenta (0%)
- Yellow (2%)
- Black (17%)





- Cyan (40%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5056, 57.7689, 67.6782 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 47.5056, 57.7689, 67.6782 by changing the saturation by 10% instead.

 47.5056, 57.7689,
67.6782

 47.5056, 57.7689,
67.6782


367.4444,
416.3243, 470.9221

 33.6451, 41.6229,
49.1709


 85.6820, 101.5862,
117.5415

 22.7827, 28.8061,
34.3885


 110.7286,
130.0264, 149.7347

 14.5530, 18.9342,
22.9125


140.2347,
163.3333, 187.3268

 8.5905, 11.6227,
14.3242

174.5656,
201.8915, 230.7366

 4.5300, 6.4873,
8.2052

214.0867,
246.0853, 280.3824

 2.0061, 3.1436,
4.1369

259.1633,

 0.6374, 1.2072,

296.2991, 336.6829

1.7007

310.1607,
352.9173, 400.0566

■ 0.0000, 0.0675,
0.3612

■ 0.0000, 0.0000,
0.0000

■ 47.5056, 57.7689,
67.6782

■ 47.5056, 57.7689,
67.6782

■ 43.7286, 55.8434,
66.5932

■ 51.9901, 60.0619,
68.8071

■ 40.6167, 54.2591,
65.5463

■ 57.2115, 62.7332,
69.9775

■ 38.1311, 52.9975,
64.5370

■ 63.2038, 65.8016,
71.1923

■ 36.2265, 52.0352,
63.5631

■ 69.9973, 69.2829,
72.4530

■ 34.8518, 51.3459,
62.6222

■ 76.6931, 72.7137,
73.7175

■ 33.9469, 50.8986,
61.7115

■ 76.8770, 72.7872,
74.6856

■ 33.4250, 50.6487,
60.8268

■ 77.0624, 72.8614,
75.6622

■ 33.3378, 50.6076,
60.6485

■ 77.2495, 72.9362,
76.6473

■ 77.4382, 73.0117,
77.6409

Harmonies

Analogous

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



47.7112, 57.7689, 56.0848



47.5056, 57.7689, 67.6782



49.2087, 57.7689, 79.3017

Triad

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



47.5056, 57.7689, 67.6782



60.3700, 57.7689, 81.3840



57.4163, 57.7689, 43.6924

Complementary

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



47.5056, 57.7689, 67.6782



44.0949, 38.7072, 36.6018

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.



61.0303, 57.7689, 48.9326



47.5056, 57.7689, 67.6782



62.7936, 57.7689, 70.2472

Square

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



47.5056, 57.7689, 67.6782



56.5514, 57.7689, 87.8520



63.0411, 57.7689, 58.3531



53.2959, 57.7689, 43.1866

Rectangle

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



47.5056, 57.7689, 67.6782



51.2495, 57.7689, 85.1263



63.0411, 57.7689, 58.3531



58.7357, 57.7689, 44.9250

Sweetspot

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



47.5073, 57.7712, 67.6795



87.7170, 96.2453, 107.3980



42.8518, 56.0176, 38.2607



18.4985, 20.4589, 22.9282



0.0000, 0.0000, 0.0000



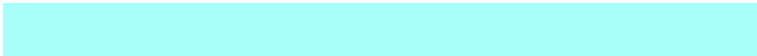
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5073, 57.7712, 67.6795



69.0898, 86.7247, 102.8176



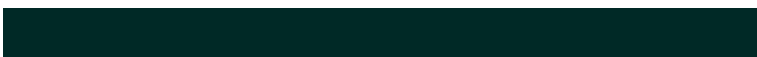
42.3552, 46.6740, 68.4073



12.1223, 13.3927, 15.0005



20.1339, 30.5465, 36.6808



1.1364, 1.7122, 2.1070

Inverse Universe

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



44.0949, 38.7072, 36.6018



62.9558, 52.4392, 46.9409



48.1734, 47.3977, 36.3164



11.8408, 11.8211, 12.4375



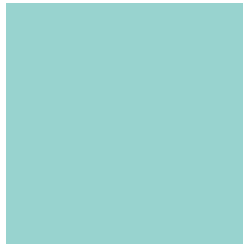
16.2752, 8.3829, 1.0897



0.9217, 0.4734, 0.1223

Previews

White Background



This preview shows how the XYZ color 47.5056, 57.7689, 67.6782 looks on a white background.

Color Contrast Check

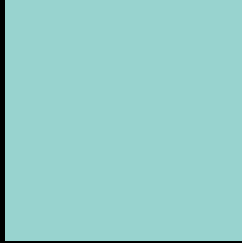
Large Text (above 18pt) WCAG AA × Fail

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 47.5056, 57.7689, 67.6782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

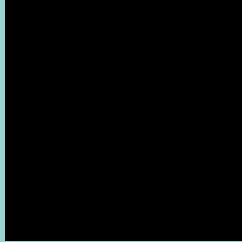
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5056, 57.7689, 67.6782

Background



This preview shows how black text looks on a background with the XYZ color 47.5056, 57.7689, 67.6782.

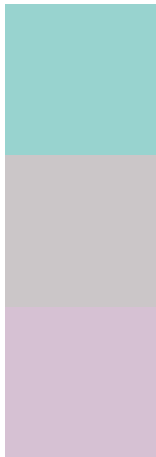


This preview shows how white text looks on a background with the XYZ color 47.5056, 57.7689, 67.6782.

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

47.5056, 57.7689, 67.6782

Protanopia

55.2480, 57.2548, 62.7830

Deuteranopia

58.5594, 57.1392, 69.5706



Tritanopia

49.8568, 57.6159, 79.7274

Trichromacy



Original Color

47.5056, 57.7689, 67.6782

Protanomaly

51.9026, 57.2140, 64.8078

Deuteranomaly

53.7730, 57.0381, 69.1481

Tritanomaly

48.9729, 57.6314, 74.8725

Monochromacy



Original Color

47.5056, 57.7689, 67.6782

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.2074, 54.8507, 61.4198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5056, 57.7689, 67.6782 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(152, 211, 207)` looks like.

```
.text, #text, p{  
    color:rgb(152, 211, 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(152, 211, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 211, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.5056, 57.7689, 67.6782 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(152, 211, 207) }
```


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

```
.border{ border-color:rgb(152, 211, 207) }
```

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

Here you see how a box with a 4 pixel rgb(152, 211, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 211, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 211, 207);  
box-shadow:4px 4px 4px 4px rgb(152, 211,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5056, 57.7689, 67.6782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 211, 207) }
```

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

```
.background{ background-color: rgb(152,  
211, 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