

Converting Colors

XYZ(47.2691, 57.0173, 67.8139)

Have a look what the booklet for
XYZ(47.2691, 57.0173, 67.8139)
contains.

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Color

**XYZ(47.1998, 56.8782,
67.5224)**

Conversions

Conversions Part 1

Format	Color
Hex	99D1CF
RGB	153, 209, 207
RGB Percent	60%, 82%, 81%
CMY	0.4000, 0.1804, 0.1882
CMYK	0.27, 0.00, 0.01, 0.18
HSL	178°, 38%, 71%
HSV	178°, 27%, 82%
XYZ	47.1998, 56.8782, 67.5224
YIQ	192.0280, -32.7340, -12.4940

Conversions

Conversions Part 2

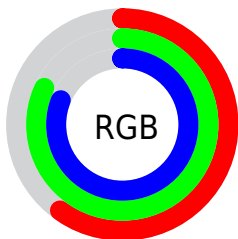
Format	Color
RYB	153, 182, 209
Decimal	10080719
CIELab	80.11, -18.32, -4.84
CIELCh	80, 18.954, 194.808
Yxy	56.8782, 0.2751, 0.3315
Android (android.graphics.Color)	4288270799 (0xFF99D1CF)
YUV	192.0280, 7.3812, -34.2276
Hunter-Lab	75.4176, -20.2674, -0.2908

Details

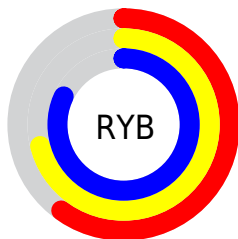
The XYZ color **47.1998, 56.8782, 67.5224** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6041, 38.7059, 36.1854**, and the grayscale version is **50.0925, 52.7012, 57.3917**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **22.5609, 28.1204, 34.3757** is the 20% darker color. If you saturate the color by 10%, you get **43.5046, 54.9852, 66.8748**, and if you desaturate by 10%, it is **51.5897, 59.1321, 68.2072**.

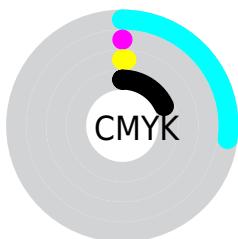
Distribution



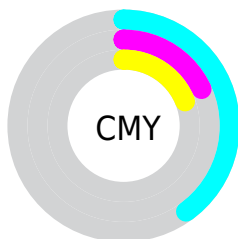
- Red (60%)
- Green (82%)
- Blue (81%)



- Red (60%)
- Yellow (71%)
- Blue (82%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)





- Cyan (40%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1998, 56.8782, 67.5224 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 47.1998, 56.8782, 67.5224 by changing the saturation by 10% instead.


 47.1998, 56.8782,
67.5224


 47.1998, 56.8782,
67.5224


366.2471,
412.9928, 470.3540

 33.4022, 40.9075,
49.0450


 85.2287, 100.2874,
117.3164

 22.5955, 28.2468,
34.2893


 110.1908,
128.4947, 149.4701

 14.4141, 18.5118,
22.8368


139.6051,
161.5497, 187.0196

 8.4929, 11.3180,
14.2689

173.8369,
199.8366, 230.3835

 4.4664, 6.2812,
8.1670

213.2517,
243.7400, 279.9804

 1.9692, 3.0168,
4.1127

258.2147,

 0.6166, 1.1405,

293.6443, 336.2288

1.6874

309.0914,
349.9337, 399.5471

■ 0.0000, 0.0123,
0.3521

■ 0.0000, 0.0000,
0.0000

■ 47.1998, 56.8782,
67.5224

■ 47.1998, 56.8782,
67.5224

■ 43.5046, 54.9852,
66.8748

■ 51.5897, 59.1321,
68.2072

■ 40.4631, 53.4278,
66.2588

■ 56.7027, 61.7573,
68.9269

■ 38.0377, 52.1879,
65.6739

■ 62.5717, 64.7722,
69.6842

■ 36.1848, 51.2430,
65.1181

■ 69.2262, 68.1920,
70.4806

■ 34.8552, 50.5679,
64.5890

■ 75.7665, 71.5529,
71.2739

■ 33.9915, 50.1330,
64.0839

■ 75.8603, 71.5904,
71.7677

■ 33.5188, 49.8995,
63.5994

■ 75.9545, 71.6281,
72.2639

■ 33.4066, 49.8449,
63.4464

■ 76.0492, 71.6660,
72.7624

■ 76.1443, 71.7040,
73.2631

Harmonies

Analogous

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



47.2116, 56.8782, 56.5270



47.1998, 56.8782, 67.5224



48.9656, 56.8782, 78.1468

Triad

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



47.1998, 56.8782, 67.5224



59.4608, 56.8782, 78.2645



56.0290, 56.8782, 43.6027

Complementary

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



47.1998, 56.8782, 67.5224



43.6041, 38.7059, 36.1854

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.



59.4983, 56.8782, 48.1291



47.1998, 56.8782, 67.5224



61.5429, 56.8782, 67.6683

Square

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



47.1998, 56.8782, 67.5224



55.9798, 56.8782, 84.8318



61.5569, 56.8782, 56.6565



52.1866, 56.8782, 43.5735

Rectangle

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



47.1998, 56.8782, 67.5224



50.9637, 56.8782, 83.2196



61.5569, 56.8782, 56.6565



57.2814, 56.8782, 44.6224

Sweetspot

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



47.2015, 56.8805, 67.5237



87.8218, 96.2873, 107.9498



42.2235, 54.9511, 38.5193



18.5251, 20.4696, 23.0684



0.0000, 0.0000, 0.0000



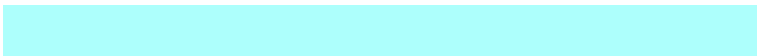
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2015, 56.8805, 67.5237



70.6659, 87.4834, 105.3252



41.7461, 45.5755, 66.9209



12.1394, 13.3995, 15.0902



20.6048, 30.7348, 39.1604



1.1579, 1.7208, 2.2203

Inverse Universe

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



43.6041, 38.7059, 36.1854



64.1284, 54.4480, 48.3689



48.0065, 47.7776, 36.8299



11.8256, 11.8150, 12.3576



16.2454, 8.3710, 0.9323



0.9145, 0.4705, 0.0845

Previews

White Background



This preview shows how the XYZ color 47.1998, 56.8782, 67.5224 looks on a white background.

Color Contrast Check

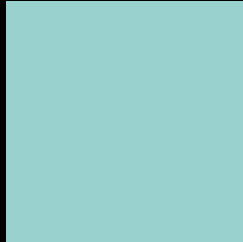
Large Text (above 18pt) WCAG AA × Fail

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 47.1998, 56.8782, 67.5224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

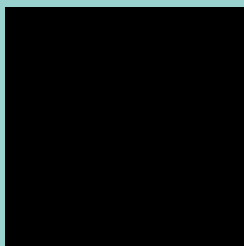
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

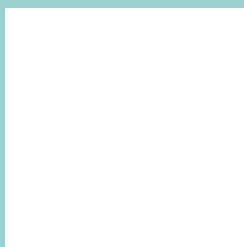
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1998, 56.8782, 67.5224

Background



This preview shows how black text looks on a background with the XYZ color 47.1998, 56.8782, 67.5224.



This preview shows how white text looks on a background with the XYZ color 47.1998, 56.8782,

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

47.1998, 56.8782, 67.5224

Protanopia

54.4790, 56.5201, 62.6817

Deuteranopia

57.6339, 56.3495, 68.8117



Tritanopia

49.5367, 57.1215, 78.2267

Trichromacy



Original Color

47.1998, 56.8782, 67.5224

Protanomaly

51.4333, 56.2754, 64.6513

Deuteranomaly

53.1886, 56.0680, 68.3405

Tritanomaly

48.7906, 57.1894, 74.1128

Monochromacy



Original Color

47.1998, 56.8782, 67.5224

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.6322, 53.8844, 60.6609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1998, 56.8782, 67.5224 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(153, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(153, 209, 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(153, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 209, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.1998, 56.8782, 67.5224 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(153, 209, 207) }
```


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

```
.border{ border-color:rgb(153, 209, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 209, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(153, 209,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1998, 56.8782, 67.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 209, 207) }
```

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

```
.background{ background-color: rgb(153,  
209, 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](#).

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