

Converting Colors

XYZ(40.0223, 48.0089, 68.5905)

Have a look what the booklet for
XYZ(40.0223, 48.0089, 68.5905)
contains.

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Color

**XYZ(39.9517, 47.8759,
68.7633)**

Conversions

Conversions Part 1

Format	Color
Hex	80C2D3
RGB	128, 194, 211
RGB Percent	50%, 76%, 83%
CMY	0.4980, 0.2392, 0.1725
CMYK	0.39, 0.08, 0.00, 0.17
HSL	192°, 49%, 66%
HSV	192°, 39%, 83%
XYZ	39.9517, 47.8759, 68.7633
YIQ	176.2040, -44.7930, -8.7050

Conversions

Conversions Part 2

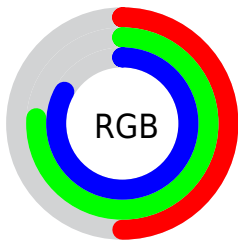
Format	Color
RYB	128, 165, 211
Decimal	8438483
CIELab	74.75, -16.61, -15.13
CIELCh	75, 22.466, 222.341
Yxy	47.8759, 0.2551, 0.3057
Android (android.graphics.Color)	4286628563 (0xFF80C2D3)
YUV	176.2040, 17.1544, -42.2749
Hunter-Lab	69.1924, -18.0208, -10.4876

Details

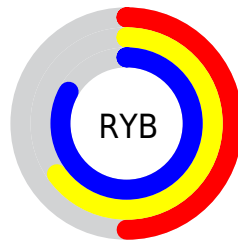
The XYZ color **39.9517, 47.8759, 68.7633** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.8864, 35.6588, 25.1511**, and the grayscale version is **41.3044, 43.4555, 47.3230**.

A 20% lighter version of the original color is **72.3143, 86.4047, 107.4741**, and **18.1265, 22.5729, 34.8541** is the 20% darker color. If you saturate the color by 10%, you get **36.1545, 44.5124, 68.3150**, and if you desaturate by 10%, it is **44.4397, 51.6393, 69.2540**.

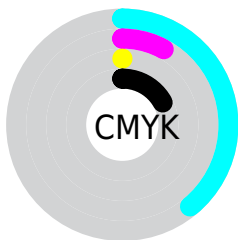
Distribution



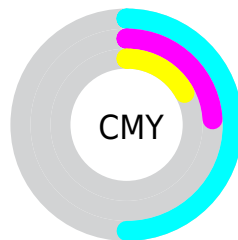
- Red (50%)
- Green (76%)
- Blue (83%)



- Red (50%)
- Yellow (65%)
- Blue (83%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9517, 47.8759, 68.7633 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 39.9517, 47.8759, 68.7633 by changing the saturation by 10% instead.

■ 39.9517, 47.8759,
68.7633

■ 39.9517, 47.8759,
68.7633

337.0579,
378.3000, 474.8670

■ 27.6849, 33.7286,
50.0484

■ 74.3748, 87.0196,
119.1080

■ 18.2275, 22.6852,
35.0804

■ 97.2618, 112.7848,
151.5748

■ 11.2141, 14.3612,
23.4408

■ 124.4196,
143.1915, 189.4627

■ 6.2794, 8.3723,
14.7110

156.2135,
178.6239, 233.1902

■ 3.0580, 4.3341,
8.4724

193.0090,
219.4666, 283.1758

■ 1.1845, 1.8622,
4.3066

235.1713,

■ 0.0941, 0.5255,

266.1040, 339.8381

1.7950

283.0658,
318.9203, 403.5957

■ 0.0000, 0.0000,
0.4247

■ 0.0000, 0.0000,
0.0000

■ 39.9517, 47.8759,
68.7633

■ 39.9517, 47.8759,
68.7633

■ 36.1545, 44.5124,
68.3150

■ 44.4397, 51.6393,
69.2540

■ 33.0022, 41.5214,
67.9039

■ 49.6521, 55.8168,
69.7856

■ 30.4503, 38.8808,
67.5287

■ 55.6252, 60.4288,
70.3610

■ 28.4463, 36.5631,
67.1869

■ 62.3920, 65.4924,
70.9817

■ 26.9283, 34.5360,
66.8757

■ 69.9831, 71.0238,
71.6493

■ 25.7922, 32.7455,
66.5900

■ 78.4276, 77.0384,
72.3652

■ 25.7217, 32.6305,
66.5715

■ 79.7215, 79.4102,
72.7548

■ 80.8995, 81.7661,
73.1474

■ 82.1072, 84.1815,
73.5500

Harmonies

Analogous

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



38.2668, 47.8759, 57.0770



39.9517, 47.8759, 68.7633



43.1673, 47.8759, 76.5871

Triad

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



39.9517, 47.8759, 68.7633



53.3923, 47.8759, 59.2415



43.8493, 47.8759, 33.1255

Complementary

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



39.9517, 47.8759, 68.7633



40.8864, 35.6588, 25.1511

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.



47.9248, 47.8759, 33.5256



39.9517, 47.8759, 68.7633



53.6020, 47.8759, 47.4750

Square

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



39.9517, 47.8759, 68.7633



50.9926, 47.8759, 70.5504



51.5496, 47.8759, 38.4197



40.4252, 47.8759, 37.2302

Rectangle

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



39.9517, 47.8759, 68.7633



45.8257, 47.8759, 77.9382



51.5496, 47.8759, 38.4197



45.1851, 47.8759, 32.7572

Sweetspot

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



39.9532, 47.8778, 68.7644



82.7079, 90.7178, 107.7589



37.2774, 53.2107, 34.9338



17.4385, 19.2143, 23.0396



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.



39.9532, 47.8778, 68.7644



56.4894, 69.2305, 104.9933



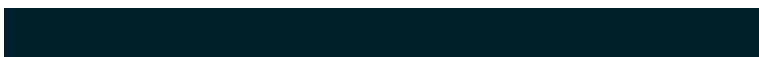
32.0359, 32.0433, 66.1253



11.9442, 12.9787, 15.1193



15.5978, 19.8423, 40.2003



0.9253, 1.2158, 2.2655

Inverse Universe

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



44.3219, 33.1835, 55.1100



64.2718, 44.3686, 80.3748



48.3412, 50.5684, 27.6360



12.2027, 11.9658, 14.3434



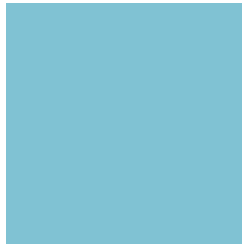
20.5038, 10.0744, 23.3569



1.1733, 0.5740, 1.4473

Previews

White Background



This preview shows how the XYZ color 39.9517, 47.8759, 68.7633 looks on a white background.

Color Contrast Check

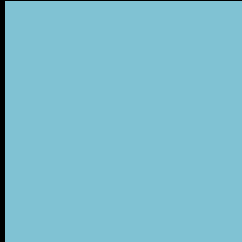
Large Text (above 18pt) WCAG AA × Fail

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 39.9517, 47.8759, 68.7633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

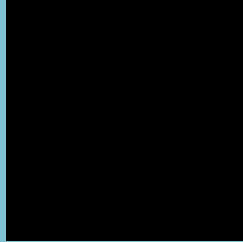
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9517, 47.8759, 68.7633

Background



This preview shows how black text looks on a background with the XYZ color 39.9517, 47.8759, 68.7633.



This preview shows how white text looks on a background with the XYZ color 39.9517, 47.8759,

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

39.9517, 47.8759, 68.7633

Protanopia

46.3298, 47.4710, 63.2209

Deuteranopia

48.5074, 47.5343, 70.2368



Tritanopia

39.8267, 47.8259, 68.1050

Trichromacy



Original Color

39.9517, 47.8759, 68.7633

Protanomaly

43.3974, 47.1511, 65.2063

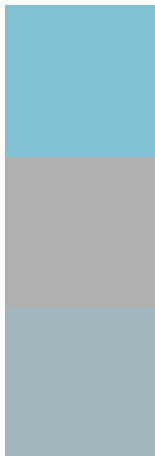
Deuteranomaly

44.6678, 47.0844, 69.6847

Tritanomaly

39.8267, 47.8259, 68.1050

Monochromacy



Original Color

39.9517, 47.8759, 68.7633

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.4169, 44.9120, 54.6828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9517, 47.8759, 68.7633 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(128, 194, 211)` looks like.

```
.text, #text, p{  
    color:rgb(128, 194, 211)  
}
```

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(128, 194, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 194, 211) }
```

Border

The CSS property to change the border of an element to XYZ 39.9517, 47.8759, 68.7633 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(128, 194, 211) }
```


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

```
.border{ border-color:rgb(128, 194, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 194, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 194, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 194, 211);  
box-shadow:4px 4px 4px 4px rgb(128, 194,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9517, 47.8759, 68.7633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 194, 211) }
```

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

```
.background{ background-color: rgb(128,  
194, 211) }
```

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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