

Converting Colors

XYZ(39.9008, 49.2111, 69.7388)

Have a look what the booklet for
XYZ(39.9008, 49.2111, 69.7388)
contains.

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Color

**XYZ(39.8235, 49.1347,
69.6724)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 78C6D4 |
| RGB | 120, 198, 212 |
| RGB Percent | 47%, 78%, 83% |
| CMY | 0.5294, 0.2235, 0.1686 |
| CMYK | 0.43, 0.07, 0.00, 0.17 |
| HSL | 189°, 52%, 65% |
| HSV | 189°, 43%, 83% |
| XYZ | 39.8235, 49.1347, 69.6724 |
| YIQ | 176.2740, -50.9820, -12.1820 |

Conversions

Conversions Part 2

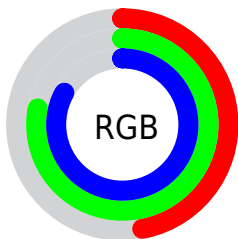
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 120, 162, 212 |
| Decimal | 7915220 |
| CIE Lab | 75.54, -20.41, -14.53 |
| CIE LCh | 76, 25.047, 215.445 |
| Yxy | 49.1347, 0.2510, 0.3097 |
| Android (android.graphics.Color) | 4286105300 (0xFF78C6D4) |
| YUV | 176.2740, 17.6129, -49.3523 |
| Hunter-Lab | 70.0961, -21.2576, -9.8643 |

Details

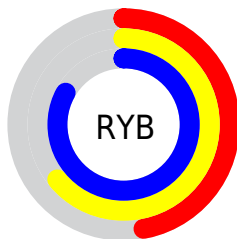
The XYZ color **39.8235, 49.1347, 69.6724** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0676, 32.4042, 21.9662**, and the grayscale version is **41.3411, 43.4940, 47.3650**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **18.1090, 23.4376, 35.4678** is the 20% darker color. If you saturate the color by 10%, you get **36.4734, 46.3258, 69.3077**, and if you desaturate by 10%, it is **43.8432, 52.3144, 70.0751**.

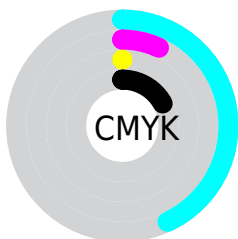
Distribution



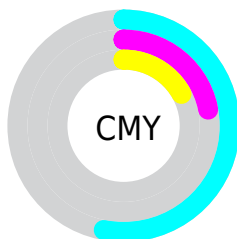
- Red (47%)
- Green (78%)
- Blue (83%)



- Red (47%)
- Yellow (64%)
- Blue (83%)



- Cyan (43%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (53%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8235, 49.1347, 69.6724 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 39.8235, 49.1347, 69.6724 by changing the saturation by 10% instead.

■ 39.8235, 49.1347,
69.6724

■ 39.8235, 49.1347,
69.6724

336.5263,
383.2724, 478.1569

■ 27.5846, 34.7263,
50.7844

■ 74.1807, 88.8915,
120.4182

■ 18.1516, 23.4522,
35.6615

■ 97.0297, 115.0087,
153.1130

■ 11.1592, 14.9277,
23.8852

■ 124.1461,
145.7976, 191.2472

■ 6.2421, 8.7687,
15.0371

155.8952,
181.6427, 235.2392

■ 3.0349, 4.5906,
8.6985

192.6424,
222.9284, 285.5076

■ 1.1722, 2.0091,
4.4509

234.7531,

■ 0.0843, 0.6128,

270.0389, 342.4711

1.8758

282.5926,
323.3588, 406.5480

■ 0.0000, 0.0000,
0.4773

■ 0.0000, 0.0000,
0.0000

■ 39.8235, 49.1347,
69.6724

■ 39.8235, 49.1347,
69.6724

■ 36.4734, 46.3258,
69.3077

■ 43.8432, 52.3144,
70.0751

■ 33.7447, 43.8593,
68.9754


■ 48.5676, 55.8796,
70.5143


■ 31.5904, 41.7119,
68.6745


■ 54.0345, 59.8513,
70.9928


■ 29.9539, 39.8544,
68.4022


■ 60.2779, 64.2469,
71.5122


 28.7673, 38.2515,
68.1553


 67.3294, 69.0831,
72.0740

 28.1534, 37.2927,
68.0026

 75.2192, 74.3754,
72.6796

 78.8705, 77.5068,
73.0916

 79.7283, 79.2224,
73.3776

 80.6025, 80.9709,
73.6690

Harmonies

Analogous

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



38.3948, 49.1347, 55.9529



39.8235, 49.1347, 69.6724



43.1016, 49.1347, 80.1733

Triad

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



39.8235, 49.1347, 69.6724



55.2669, 49.1347, 64.7983



45.8622, 49.1347, 31.9373

Complementary

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



39.8235, 49.1347, 69.6724



39.0676, 32.4042, 21.9662

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.



50.4956, 49.1347, 33.5144



39.8235, 49.1347, 69.6724



56.1264, 49.1347, 51.1186

Square

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



39.8235, 49.1347, 69.6724



52.0512, 49.1347, 77.0496



54.3281, 49.1347, 40.0454



41.7307, 49.1347, 35.3152

Rectangle

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



39.8235, 49.1347, 69.6724



45.9982, 49.1347, 83.1200



54.3281, 49.1347, 40.0454



47.4110, 49.1347, 31.9129

Sweetspot

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



39.8250, 49.1366, 69.6736



82.3002, 91.0698, 107.8483



35.5795, 52.7968, 30.7981



17.1963, 19.1921, 23.0481



0.0000, 0.0000, 0.0000



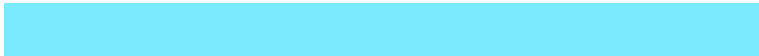
20.3446, 21.4041, 23.3091

Same Dimension

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



39.8250, 49.1366, 69.6736



55.7908, 70.7028, 105.3143



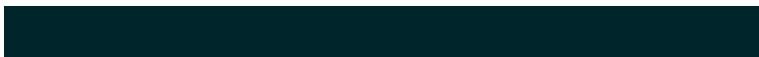
30.8914, 31.2694, 66.6957



12.6237, 13.7709, 15.9302



17.4395, 23.1408, 42.0006



1.0964, 1.4849, 2.5481

Inverse Universe

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



44.0622, 31.5086, 57.1875



63.2187, 41.2655, 83.0970



46.8236, 47.9162, 24.5515



12.8680, 12.5987, 15.2453



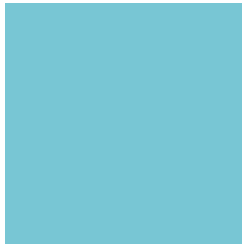
21.8615, 10.6809, 27.6385



1.3411, 0.6532, 1.7855

Previews

White Background



This preview shows how the XYZ color 39.8235, 49.1347, 69.6724 looks on a white background.

Color Contrast Check

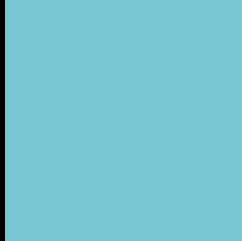
Large Text (above 18pt) WCAG AA × Fail

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 39.8235, 49.1347, 69.6724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

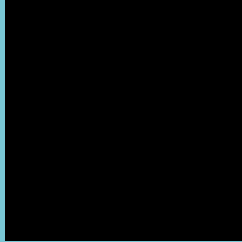
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8235, 49.1347, 69.6724

Background



This preview shows how black text looks on a background with the XYZ color 39.8235, 49.1347, 69.6724.



This preview shows how white text looks on a background with the XYZ color 39.8235, 49.1347,

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

39.8235, 49.1347, 69.6724

Protanopia

47.4484, 48.6601, 63.3914

Deuteranopia

49.9048, 48.8244, 71.7595



Tritanopia

40.0774, 49.2363, 71.0096

Trichromacy



Original Color

39.8235, 49.1347, 69.6724

Protanomaly

43.8354, 48.3250, 65.4098

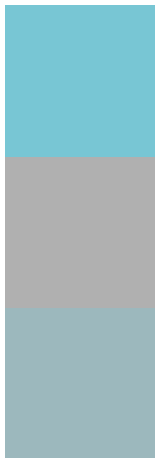
Deuteranomaly

45.3459, 48.3395, 71.2304

Tritanomaly

39.9501, 49.1853, 70.3389

Monochromacy



Original Color

39.8235, 49.1347, 69.6724

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.0361, 45.0230, 54.7243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8235, 49.1347, 69.6724 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(120, 198, 212)` looks like.

```
.text, #text, p{  
    color:rgb(120, 198, 212)  
}
```

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(120, 198, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 198, 212) }
```

Border

The CSS property to change the border of an element to XYZ 39.8235, 49.1347, 69.6724 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(120, 198, 212) }
```


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

```
.border{ border-color:rgb(120, 198, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 198, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 198, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 198, 212);  
box-shadow:4px 4px 4px 4px rgb(120, 198,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8235, 49.1347, 69.6724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 198, 212) }
```

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

```
.background{ background-color: rgb(120,  
198, 212) }
```

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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