

Converting Colors

XYZ(39.6233, 49.7436, 68.4859)

Have a look what the booklet for
XYZ(39.6233, 49.7436, 68.4859)
contains.

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Color

**XYZ(39.6233, 49.7436,
68.4859)**

Conversions

Conversions Part 1

Format	Color
Hex	75C8D2
RGB	117, 200, 210
RGB Percent	46%, 78%, 82%
CMY	0.5412, 0.2157, 0.1765
CMYK	0.44, 0.05, 0.00, 0.18
HSL	186°, 51%, 64%
HSV	186°, 44%, 82%
XYZ	39.6233, 49.7436, 68.4859
YIQ	176.3230, -52.6780, -14.4860

Conversions

Conversions Part 2

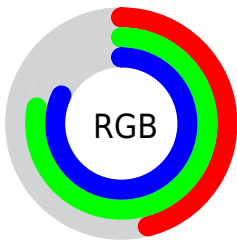
Format	Color
RYB	117, 161, 210
Decimal	7719122
CIELab	75.91, -22.66, -12.89
CIELCh	76, 26.067, 209.641
Yxy	49.7436, 0.2510, 0.3151
Android (android.graphics.Color)	4285909202 (0xFF75C8D2)
YUV	176.3230, 16.6028, -52.0263
Hunter-Lab	70.5291, -23.1446, -8.2020

Details

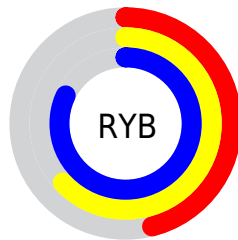
The XYZ color **39.6233, 49.7436, 68.4859** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.3796, 30.1657, 20.6835**, and the grayscale version is **41.3724, 43.5270, 47.4009**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **18.0833, 23.8879, 35.1102** is the 20% darker color. If you saturate the color by 10%, you get **36.5933, 47.4122, 68.1965**, and if you desaturate by 10%, it is **43.2969, 52.4206, 68.8099**.

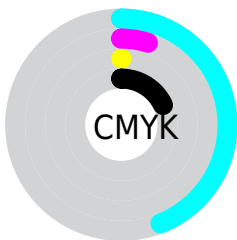
Distribution



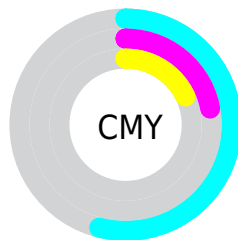
- Red (46%)
- Green (78%)
- Blue (82%)



- Red (46%)
- Yellow (63%)
- Blue (82%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)





- Cyan (54%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6233, 49.7436, 68.4859 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 39.6233, 49.7436, 68.4859 by changing the saturation by 10% instead.


 39.6233, 49.7436,
68.4859


 39.6233, 49.7436,
68.4859


335.6950,
385.6624, 473.8604


 27.4279, 35.2097,
49.8240


 73.8775, 89.7949,
118.7078

 18.0331, 23.8245,
34.9034


 96.6671, 116.0810,
151.1048

 11.0736, 15.2035,
23.3055


 123.7186,
147.0534, 188.9173

 6.1840, 8.9623,
14.6118

155.3976,
183.0964, 232.5638

 2.9990, 4.7166,
8.4038

192.0694,
224.5944, 282.4628

 1.1532, 2.0820,
4.2630

234.0993,

 0.0690, 0.6545,

271.9318, 339.0328

1.7707

281.8527,
325.4930, 402.6925

■ 0.0000, 0.0000,
0.4085

■ 0.0000, 0.0000,
0.0000

■ 39.6233, 49.7436,
68.4859

■ 39.6233, 49.7436,
68.4859

■ 36.5933, 47.4122,
68.1965

■ 43.2969, 52.4206,
68.8099

■ 34.1596, 45.3985,
67.9360


■ 47.6484, 55.4574,
69.1667

■ 32.2755, 43.6794,
67.7035


■ 52.7153, 58.8745,
69.5592


■ 30.8852, 42.2262,
67.4963


■ 58.5307, 62.6891,
69.9890


 29.9210, 41.0040,
67.3112


 65.1257, 66.9174,
70.4575

 29.4935, 40.3741,
67.2122

 72.5298, 71.5743,
70.9662

 77.3796, 74.9263,
71.3575

 77.9613, 76.0898,
71.5515

 78.5510, 77.2692,
71.7480

Harmonies

Analogous

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



38.5477, 49.7436, 53.9951



39.6233, 49.7436, 68.4859



42.7180, 49.7436, 80.6542

Triad

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



39.6233, 49.7436, 68.4859



55.7987, 49.7436, 68.8256



47.3383, 49.7436, 31.5898

Complementary

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



39.6233, 49.7436, 68.4859



37.3796, 30.1657, 20.6835

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.



52.1554, 49.7436, 34.2177



39.6233, 49.7436, 68.4859



57.2400, 49.7436, 54.3299

Square

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



39.6233, 49.7436, 68.4859



52.0473, 49.7436, 80.8728



55.8641, 49.7436, 41.9896



42.8127, 49.7436, 34.0945

Rectangle

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



39.6233, 49.7436, 68.4859



45.6214, 49.7436, 84.9393



55.8641, 49.7436, 41.9896



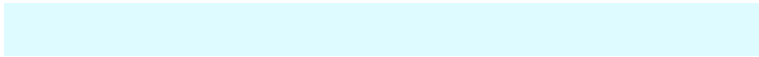
48.9779, 49.7436, 31.8946

Sweetspot

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



39.6248, 49.7455, 68.4871



82.7618, 91.9930, 108.0022



34.1692, 51.3903, 27.9602



17.3114, 19.4224, 23.0864



0.0000, 0.0000, 0.0000



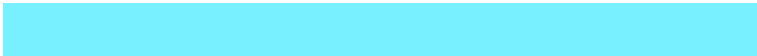
20.3446, 21.4041, 23.3091

Same Dimension

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



39.6248, 49.7455, 68.4871



57.0736, 73.7997, 105.8444



30.5589, 31.6138, 65.4651



12.0453, 13.1809, 15.1530



18.0351, 24.7169, 41.0128



1.0402, 1.4456, 2.3038

Inverse Universe

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



43.3663, 30.5958, 58.2655



63.7366, 40.9761, 87.3546



44.6956, 44.7978, 23.1222



12.2538, 11.9862, 14.6121



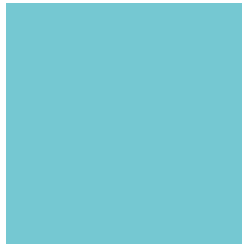
21.7340, 10.5665, 29.8353



1.2313, 0.5972, 1.7528

Previews

White Background



This preview shows how the XYZ color 39.6233, 49.7436, 68.4859 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 39.6233, 49.7436, 68.4859 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 39.6233, 49.7436, 68.4859

Background



This preview shows how black text looks on a background with the XYZ color 39.6233, 49.7436, 68.4859.



This preview shows how white text looks on a background with the XYZ color 39.6233, 49.7436,

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

39.6233, 49.7436, 68.4859

Protanopia

47.8992, 49.2293, 62.2360

Deuteranopia

50.3514, 49.3873, 70.4972



Tritanopia

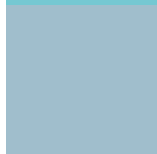
40.2969, 49.6751, 71.7544

Trichromacy



Original Color

39.6233, 49.7436, 68.4859



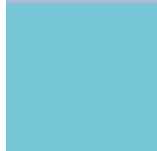
Protanomaly

43.8097, 48.6601, 64.2101



Deuteranomaly

45.5177, 49.0918, 70.0274



Tritanomaly

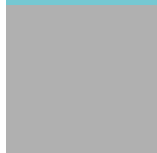
39.9049, 49.5025, 70.4025

Monochromacy



Original Color

39.6233, 49.7436, 68.4859



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.9436, 45.2973, 54.2150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6233, 49.7436, 68.4859 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(117, 200, 210)` looks like.

```
.text, #text, p{  
    color:rgb(117, 200, 210)  
}
```

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(117, 200, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 200, 210) }
```

Border

The CSS property to change the border of an element to XYZ 39.6233, 49.7436, 68.4859 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(117, 200, 210) }
```


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

```
.border{ border-color:rgb(117, 200, 210) }
```

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

Here you see how a box with a 4 pixel rgb(117, 200, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 200, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 200, 210);  
box-shadow:4px 4px 4px 4px rgb(117, 200,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6233, 49.7436, 68.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 200, 210) }
```

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

```
.background{ background-color: rgb(117,  
200, 210) }
```

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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