

Converting Colors

XYZ(39.3982, 49.2016, 64.8581)

Have a look what the booklet for
XYZ(39.3982, 49.2016, 64.8581)
contains.

XYZ(39.4909, 49.4174, 64.5839)	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(39.4909, 49.4174,
64.5839)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC7CC
RGB	123, 199, 204
RGB Percent	48%, 78%, 80%
CMY	0.5176, 0.2196, 0.2000
CMYK	0.40, 0.02, 0.00, 0.20
HSL	184°, 44%, 64%
HSV	184°, 40%, 80%
XYZ	39.4909, 49.4174, 64.5839
YIQ	176.8460, -46.9010, -14.5570

Conversions

Conversions Part 2

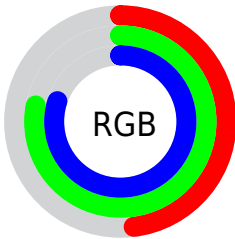
Format	Color
R _Y B	123, 162, 204
Decimal	8112076
CIE Lab	75.71, -22.20, -9.92
CIE LCh	76, 24.320, 204.075
Yxy	49.4174, 0.2573, 0.3220
Android (android.graphics.Color)	4286302156 (0xFF7BC7CC)
YUV	176.8460, 13.3869, -47.2229
Hunter-Lab	70.2975, -22.7450, -5.2628

Details

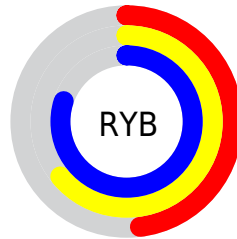
The XYZ color **39.4909, 49.4174, 64.5839** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.1970, 29.7065, 22.5663**, and the grayscale version is **41.6600, 43.8296, 47.7304**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **18.0143, 23.6817, 32.4757** is the 20% darker color. If you saturate the color by 10%, you get **36.5832, 47.4914, 64.3662**, and if you desaturate by 10%, it is **43.0121, 51.6656, 64.8331**.

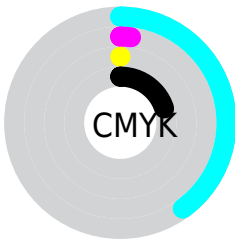
Distribution



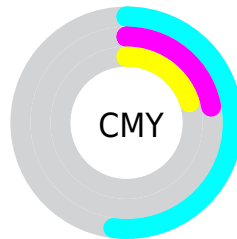
- Red (48%)
- Green (78%)
- Blue (80%)



- Red (48%)
- Yellow (64%)
- Blue (80%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)



- Cyan (52%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4909, 49.4174, 64.5839 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 39.4909, 49.4174, 64.5839 by changing the saturation by 10% instead.

■ 39.4909, 49.4174,
64.5839

■ 39.4909, 49.4174,
64.5839

335.1444,
384.3832, 459.5604

■ 27.3243, 34.9507,
46.6746

■ 73.6769, 89.3111,
113.0590

■ 17.9548, 23.6249,
32.4260

■ 96.4270, 115.5068,
144.4618

■ 11.0170, 15.0556,
21.4195

■ 123.4357,
146.3811, 181.1995

■ 6.1456, 8.8584,
13.2368

155.0682,
182.3182, 223.6906

■ 2.9753, 4.6490,
7.4592

191.6900,
223.7026, 272.3537

■ 1.1407, 2.0428,
3.6681

233.6664,

■ 0.0588, 0.6322,

270.9186, 327.6074

1.4451

281.3628,
324.3507, 389.8701

■ 0.0000, 0.0000,
0.1765

■ 0.0000, 0.0000,
0.0000

■ 39.4909, 49.4174,
64.5839

■ 39.4909, 49.4174,
64.5839

■ 36.5832, 47.4914,
64.3662

■ 43.0121, 51.6656,
64.8331

■ 34.2463, 45.8620,
64.1749

■ 47.1770, 54.2480,
65.1121

■ 32.4395, 44.5095,
64.0091

■ 52.0194, 57.1832,
65.4234

■ 31.1146, 43.4088,
63.8665

■ 57.5691, 60.4867,
65.7685

■ 30.2143, 42.5307,
63.7444

■ 63.8545, 64.1731,
66.1488

■ 29.6360, 41.8220,
63.6381

■ 70.9022, 68.2560,
66.5654

■ 29.6203, 41.8018,
63.6350

■ 74.6501, 70.6413,
66.8283

■ 74.9578, 71.2569,
66.9309

■ 75.2681, 71.8773,
67.0343

Harmonies

Analogous

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



38.8638, 49.4174, 51.2846



39.4909, 49.4174, 64.5839



42.0646, 49.4174, 76.5206

Triad

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



39.4909, 49.4174, 64.5839



54.3455, 49.4174, 69.7287



47.8704, 49.4174, 32.6972

Complementary

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



39.4909, 49.4174, 64.5839



36.1970, 29.7065, 22.5663

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.



52.2421, 49.4174, 36.1020



39.4909, 49.4174, 64.5839



56.1311, 49.4174, 56.4111

Square

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



39.4909, 49.4174, 64.5839



50.5957, 49.4174, 79.8078



55.3378, 49.4174, 44.3013



43.5214, 49.4174, 34.1731

Rectangle

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



39.4909, 49.4174, 64.5839



44.6310, 49.4174, 81.3876



55.3378, 49.4174, 44.3013



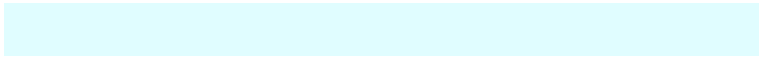
49.3888, 49.4174, 33.2892

Sweetspot

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



39.4924, 49.4193, 64.5851



84.0752, 93.4525, 108.2146



33.5964, 48.9313, 27.7710



17.7623, 19.8618, 23.1475



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.



39.4924, 49.4193, 64.5851



61.0575, 78.9694, 106.6323



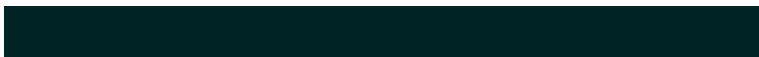
31.5443, 33.5232, 61.9357



11.4817, 12.6038, 14.3980



18.6685, 26.3609, 40.0605



0.9814, 1.3966, 2.0728

Inverse Universe

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



42.2949, 31.1281, 57.8140



66.4305, 44.6688, 93.4786



42.3978, 42.1080, 24.6332



11.6565, 11.3913, 13.9917



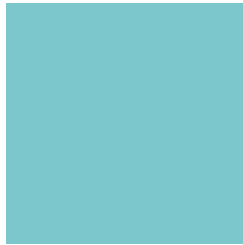
21.6339, 10.4641, 32.1203



1.1253, 0.5435, 1.7059

Previews

White Background



This preview shows how the XYZ color 39.4909, 49.4174, 64.5839 looks on a white background.

Color Contrast Check

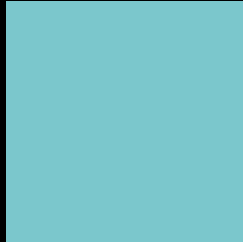
Large Text (above 18pt) WCAG AA × Fail

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 39.4909, 49.4174, 64.5839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

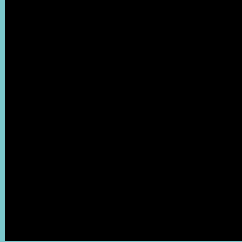
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4909, 49.4174, 64.5839

Background



This preview shows how black text looks on a background with the XYZ color 39.4909, 49.4174, 64.5839.



This preview shows how white text looks on a background with the XYZ color 39.4909, 49.4174,

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

39.4909, 49.4174, 64.5839

Protanopia

47.4490, 49.0772, 58.6018

Deuteranopia

49.9014, 48.9393, 66.4906



Tritanopia

40.8085, 49.6279, 70.3791

Trichromacy



Original Color

39.4909, 49.4174, 64.5839

Protanomaly

43.7108, 48.6907, 60.5205

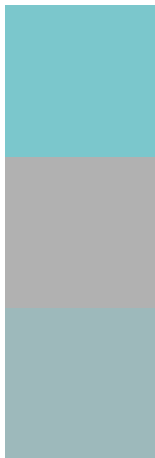
Deuteranomaly

45.3942, 48.7963, 66.0576

Tritanomaly

40.2844, 49.4013, 68.3850

Monochromacy



Original Color

39.4909, 49.4174, 64.5839

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.2232, 45.4539, 53.6672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4909, 49.4174, 64.5839 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(123, 199, 204)` looks like.

```
.text, #text, p{  
    color:rgb(123, 199, 204)  
}
```

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(123, 199, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 199, 204) }
```

Border

The CSS property to change the border of an element to XYZ 39.4909, 49.4174, 64.5839 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(123, 199, 204) }
```


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

```
.border{ border-color:rgb(123, 199, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 199, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 199, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 199, 204);  
box-shadow:4px 4px 4px 4px rgb(123, 199,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4909, 49.4174, 64.5839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 199, 204) }
```

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

```
.background{ background-color: rgb(123,  
199, 204) }
```

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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