

Converting Colors

XYZ(39.4358, 49.7013, 61.0703)

Have a look what the booklet for
XYZ(39.4358, 49.7013, 61.0703)
contains.

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Color

**XYZ(39.4515, 49.8214,
60.9633)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC8C6
RGB	126, 200, 198
RGB Percent	49%, 78%, 78%
CMY	0.5059, 0.2157, 0.2235
CMYK	0.37, 0.00, 0.01, 0.22
HSL	178°, 40%, 64%
HSV	178°, 37%, 78%
XYZ	39.4515, 49.8214, 60.9633
YIQ	177.6460, -43.4620, -16.3100

Conversions

Conversions Part 2

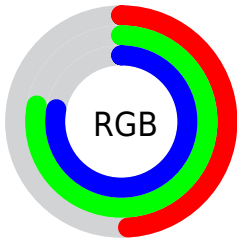
Format	Color
R _Y B	126, 164, 200
Decimal	8308934
CIE Lab	75.96, -23.40, -6.29
CIE LCh	76, 24.234, 195.045
Yxy	49.8214, 0.2626, 0.3316
Android (android.graphics.Color)	4286499014 (0xFF7EC8C6)
YUV	177.6460, 10.0345, -45.2935
Hunter-Lab	70.5843, -23.7539, -1.7995

Details

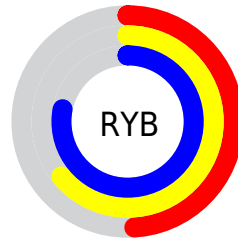
The XYZ color **39.4515, 49.8214, 60.9633** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.1783, 28.7610, 24.1212**, and the grayscale version is **42.0963, 44.2886, 48.2302**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **17.9115, 23.9110, 30.0568** is the 20% darker color. If you saturate the color by 10%, you get **36.7302, 48.4269, 60.5117**, and if you desaturate by 10%, it is **42.7655, 51.5238, 61.4459**.

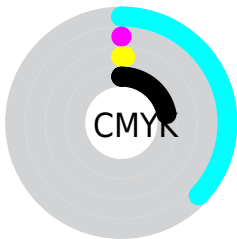
Distribution



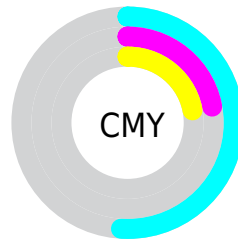
- Red (49%)
- Green (78%)
- Blue (78%)



- Red (49%)
- Yellow (64%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)




- Cyan (51%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4515, 49.8214, 60.9633 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 39.4515, 49.8214, 60.9633 by changing the saturation by 10% instead.


 39.4515, 49.8214,
60.9633


 39.4515, 49.8214,
60.9633

334.9805,
385.9671, 446.0423


 27.2934, 35.2715,
43.7652


 73.6172, 89.9102,
107.7828

 17.9315, 23.8721,
30.1501

 96.3556, 116.2179,
138.2413

 11.0002, 15.2388,
19.6995


 123.3515,
147.2136, 173.9570

 6.1343, 8.9871,
11.9949

154.9702,
183.2819, 215.3484

 2.9683, 4.7328,
6.6177

191.5771,
224.8069, 262.8341

 1.1370, 2.0913,
3.1494

233.5375,

 0.0558, 0.6598,

272.1732, 316.8326

1.1714

281.2169,
325.7651, 377.7625

■ 0.0000, 0.0000,
0.0000

■ 39.4515, 49.8214,
60.9633

■ 39.4515, 49.8214,
60.9633

■ 36.7302, 48.4269,
60.5117

■ 42.7655, 51.5238,
61.4459

■ 34.5619, 47.3163,
60.0862

■ 46.7003, 53.5450,
61.9577

■ 32.9089, 46.4713,
59.6858

■ 51.2873, 55.9025,
62.5011

■ 31.7272, 45.8692,
59.3087

■ 56.5547, 58.6106,
63.0776

■ 30.9650, 45.4834,
58.9524

■ 62.5289, 61.6830,
63.6883

■ 30.5528, 45.2780,
58.6137

■ 69.2348, 65.1328,
64.3344

■ 30.4594, 45.2320,
58.5137

■ 72.5309, 66.8245,
64.8221

■ 72.5950, 66.8502,
65.1597

■ 72.6593, 66.8759,
65.4985

Harmonies

Analogous

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



39.4484, 49.8214, 48.0777



39.4515, 49.8214, 60.9633



41.4783, 49.8214, 73.8222

Triad

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



39.4515, 49.8214, 60.9633



53.7698, 49.8214, 73.7886



49.6307, 49.8214, 33.5892

Complementary

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



39.4515, 49.8214, 60.9633



35.1783, 28.7610, 24.1212

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.



53.7594, 49.8214, 38.4797



39.4515, 49.8214, 60.9633



56.2504, 49.8214, 60.9228

Square

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



39.4515, 49.8214, 60.9633



49.6442, 49.8214, 81.9892



56.2465, 49.8214, 48.0431



45.1348, 49.8214, 33.5965

Rectangle

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



39.4515, 49.8214, 60.9633



43.7830, 49.8214, 80.0687



56.2465, 49.8214, 48.0431



51.1136, 49.8214, 34.6758

Sweetspot

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



39.4530, 49.8234, 60.9645



85.3508, 95.0140, 107.8095



33.3941, 47.4424, 27.1369



18.0343, 20.2165, 23.0480



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.



39.4530, 49.8234, 60.9645



64.6181, 84.3678, 104.9447



32.5705, 35.6863, 59.8173



10.9338, 12.0624, 13.6018



19.3720, 28.7612, 37.2334



0.9213, 1.3634, 1.7841

Inverse Universe

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



35.1783, 28.7610, 24.1212



56.2080, 42.9151, 32.4481



40.2505, 39.1144, 25.1681



10.6453, 10.6415, 11.1155



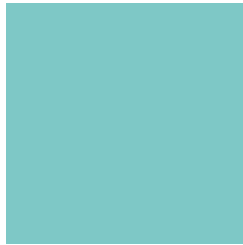
15.1694, 7.8173, 0.8362



0.7224, 0.3718, 0.0614

Previews

White Background



This preview shows how the XYZ color 39.4515, 49.8214, 60.9633 looks on a white background.

Color Contrast Check

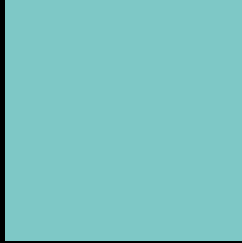
Large Text (above 18pt) WCAG AA × Fail

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 39.4515, 49.8214, 60.9633 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 39.4515, 49.8214, 60.9633

Background



This preview shows how black text looks on a background with the XYZ color 39.4515, 49.8214, 60.9633.

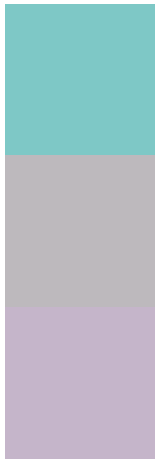


This preview shows how white text looks on a background with the XYZ color 39.4515, 49.8214,

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

39.4515, 49.8214, 60.9633

Protanopia

47.5205, 49.1909, 55.1343

Deuteranopia

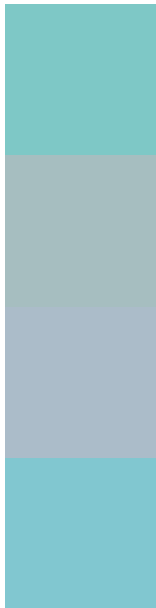
50.2105, 49.1823, 62.7239



Tritanopia

41.5376, 49.9890, 71.0779

Trichromacy



Original Color

39.4515, 49.8214, 60.9633

Protanomaly

43.6538, 48.7397, 56.9761

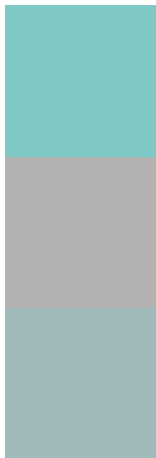
Deuteranomaly

45.3204, 48.8414, 62.2970

Tritanomaly

40.8619, 50.0680, 67.1850

Monochromacy



Original Color

39.4515, 49.8214, 60.9633

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.6139, 45.9915, 52.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4515, 49.8214, 60.9633 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(126, 200, 198)` looks like.

```
.text, #text, p{  
    color:rgb(126, 200, 198)  
}
```

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(126, 200, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 200, 198) }
```

Border

The CSS property to change the border of an element to XYZ 39.4515, 49.8214, 60.9633 is called "border". The border property can be set on classes, ids or directly on the HTML element.

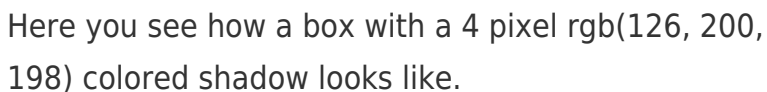
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 200, 198) }
```


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

```
.border{ border-color:rgb(126, 200, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 200, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 200, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 200, 198); box-shadow:4px 4px 4px 4px rgb(126, 200, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4515, 49.8214, 60.9633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 200, 198) }
```

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

```
.background{ background-color: rgb(126,  
200, 198) }
```

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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