

Converting Colors

XYZ(32.3027, 39.9257, 49.1845)

Have a look what the booklet for
XYZ(32.3027, 39.9257, 49.1845)
contains.

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Color

**XYZ(32.3052, 39.9309,
49.1848)**

Conversions

Conversions Part 1

Format	Color
Hex	78B4B4
RGB	120, 180, 180
RGB Percent	47%, 71%, 71%
CMY	0.5294, 0.2941, 0.2941
CMYK	0.33, 0.00, 0.00, 0.29
HSL	180°, 29%, 59%
HSV	180°, 33%, 71%
XYZ	32.3052, 39.9309, 49.1848
YIQ	162.0600, -35.7600, -12.7200

Conversions

Conversions Part 2

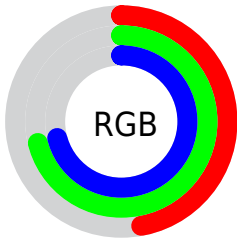
Format	Color
RYB	120, 150, 180
Decimal	7910580
CIELab	69.42, -19.25, -6.18
CIElCh	69, 20.221, 197.798
Yxy	39.9309, 0.2661, 0.3289
Android (android.graphics.Color)	4286100660 (0xFF78B4B4)
YUV	162.0600, 8.8444, -36.8866
Hunter-Lab	63.1909, -19.3292, -1.9149

Details

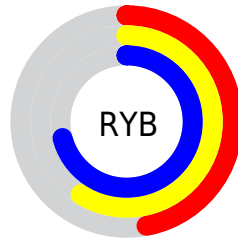
The XYZ color **32.3052, 39.9309, 49.1848** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9304, 24.4934, 20.9737**, and the grayscale version is **34.3436, 36.1321, 39.3479**.

A 20% lighter version of the original color is **62.8150, 75.1610, 90.5537**, and **13.7349, 17.9043, 22.8107** is the 20% darker color. If you saturate the color by 10%, you get **30.0400, 38.7641, 49.0793**, and if you desaturate by 10%, it is **35.0421, 41.3428, 49.3141**.

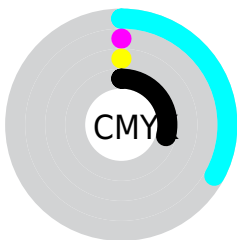
Distribution



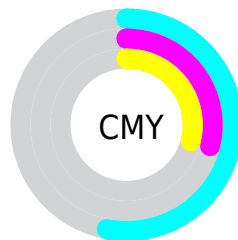
- Red (47%)
- Green (71%)
- Blue (71%)



- Red (47%)
- Yellow (59%)
- Blue (71%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (53%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3052, 39.9309, 49.1848 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 32.3052, 39.9309, 49.1848 by changing the saturation by 10% instead.

■ 32.3052, 39.9309,
49.1848

■ 32.3052, 39.9309,
49.1848

304.2278,
345.8322, 400.1127

■ 21.7514, 27.4847,
34.3995

■ 62.6512, 75.0583,
90.3497

■ 13.7899, 17.9376,
22.9208

■ 83.1741, 98.5082,
117.5663

■ 8.0554, 10.9052,
14.3303

■ 107.7508,
126.3949, 149.7638

■ 4.1825, 6.0031,
8.2094

136.7466,
159.1026, 187.3607

■ 1.8059, 2.8470,
4.1395

170.5268,
197.0158, 230.7754

■ 0.5212, 1.0524,
1.7022

209.4569,

■ 0.0000, 0.0000,

240.5189, 280.4267

0.3622

253.9021,
289.9962, 336.7329

■ 0.0000, 0.0000,
0.0000

■ 32.3052, 39.9309,
49.1848

■ 32.3052, 39.9309,
49.1848

■ 30.0400, 38.7641,
49.0793

■ 35.0421, 41.3428,
49.3141

■ 28.2165, 37.8241,
48.9936

■ 38.2713, 43.0075,
49.4656

■ 26.8070, 37.0975,
48.9273

■ 42.0168, 44.9384,
49.6412

■ 25.7790, 36.5675,
48.8789

■ 46.2998, 47.1463,
49.8420

■ 25.0954, 36.2151,
48.8465

■ 51.1402, 49.6416,
50.0688

■ 24.7115, 36.0173,
48.8282

■ 56.5570, 52.4341,
50.3227

■ 24.5599, 35.9391,
48.8209

■ 62.5685, 55.5331,
50.6044

■ 65.8008, 57.1995,
50.7560

■ 65.8009, 57.1995,
50.7563

Harmonies

Analogous

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



32.1635, 39.9309, 39.8016



32.3052, 39.9309, 49.1848



33.9057, 39.9309, 58.1392

Triad

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



32.3052, 39.9309, 49.1848



42.7763, 39.9309, 56.6515



39.2902, 39.9309, 28.2180

Complementary

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



32.3052, 39.9309, 49.1848



28.9304, 24.4934, 20.9737

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.



42.3105, 39.9309, 31.5153



32.3052, 39.9309, 49.1848



44.3989, 39.9309, 47.3740

Square

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



32.3052, 39.9309, 49.1848



39.8967, 39.9309, 62.8555



44.2237, 39.9309, 38.2306



36.0737, 39.9309, 28.5586

Rectangle

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



32.3052, 39.9309, 49.1848



35.6389, 39.9309, 62.2556



44.2237, 39.9309, 38.2306



40.3654, 39.9309, 28.9157

Sweetspot

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



32.3064, 39.9325, 49.1857



71.4356, 79.0325, 89.7837



27.5978, 38.0652, 23.6628



15.2441, 16.9808, 19.3963



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.3064, 39.9325, 49.1857



55.4748, 70.8044, 89.0349



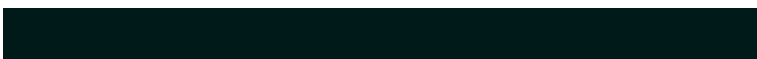
27.0517, 29.4228, 47.4353



8.7427, 9.6316, 10.9045



17.1405, 25.0822, 34.0726



0.5393, 0.7892, 1.0721

Inverse Universe

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



28.9304, 24.4934, 20.9737



48.4087, 38.4893, 29.9848



32.9614, 32.5557, 22.3167



8.4964, 8.5053, 8.8465



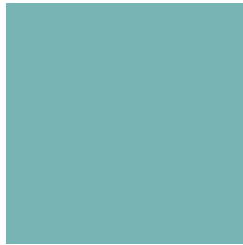
13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 32.3052, 39.9309, 49.1848 looks on a white background.

Color Contrast Check

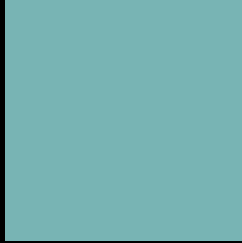
Large Text (above 18pt) WCAG AA × Fail

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 32.3052, 39.9309, 49.1848 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

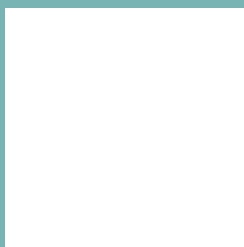
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3052, 39.9309, 49.1848

Background



This preview shows how black text looks on a background with the XYZ color 32.3052, 39.9309, 49.1848.

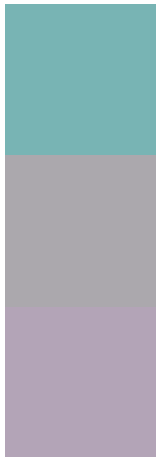


This preview shows how white text looks on a background with the XYZ color 32.3052, 39.9309,

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

32.3052, 39.9309, 49.1848

Protanopia

38.3400, 39.6803, 45.1735

Deuteranopia

40.4131, 39.5535, 50.3043



Tritanopia

33.6032, 39.8575, 55.7914

Trichromacy



Original Color

32.3052, 39.9309, 49.1848

Protanomaly

35.5379, 39.3150, 46.7898

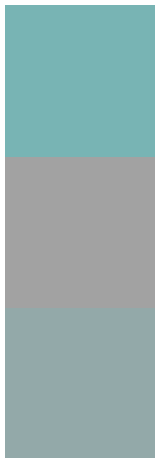
Deuteranomaly

36.9188, 39.3960, 49.9143

Tritanomaly

33.2232, 40.0086, 53.5483

Monochromacy



Original Color

32.3052, 39.9309, 49.1848

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3820, 37.4436, 43.0040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3052, 39.9309, 49.1848 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, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(120, 180, 180)  
}
```

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, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 180, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.3052, 39.9309, 49.1848 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, 180, 180) }
```


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

```
.border{ border-color:rgb(120, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 180, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 180, 180); box-shadow:4px 4px 4px 4px rgb(120, 180, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3052, 39.9309, 49.1848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 180, 180) }
```

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

```
.background{ background-color: rgb(120,  
180, 180) }
```

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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