

Converting Colors

XYZ(32.0299, 39.7866, 49.1626)

Have a look what the booklet for
XYZ(32.0299, 39.7866, 49.1626)
contains.

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Color

**XYZ(32.0307, 39.7894,
49.1719)**

Conversions

Conversions Part 1

Format	Color
Hex	76B4B4
RGB	118, 180, 180
RGB Percent	46%, 71%, 71%
CMY	0.5372, 0.2941, 0.2941
CMYK	0.34, 0.00, 0.00, 0.29
HSL	180°, 29%, 58%
HSV	180°, 34%, 71%
XYZ	32.0307, 39.7894, 49.1719
YIQ	161.4620, -36.9520, -13.1440

Conversions

Conversions Part 2

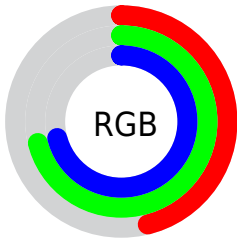
Format	Color
R_{YB}	118, 149, 180
Decimal	7779508
CIE _{Lab}	69.32, -19.81, -6.34
CIE _{LCh}	69, 20.799, 197.752
Yxy	39.7894, 0.2647, 0.3289
Android (android.graphics.Color)	4285969588 (0xFF76B4B4)
YUV	161.4620, 9.1392, -38.1162
Hunter-Lab	63.0788, -19.7477, -2.0632

Details

The XYZ color **32.0307, 39.7894, 49.1719** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.5723, 23.9693, 20.2617**, and the grayscale version is **34.0633, 35.8373, 39.0268**.

A 20% lighter version of the original color is **62.3694, 74.9313, 90.5328**, and **13.6001, 17.8349, 22.8043** is the 20% darker color. If you saturate the color by 10%, you get **29.8160, 38.6487, 49.0688**, and if you desaturate by 10%, it is **34.7142, 41.1738, 49.2987**.

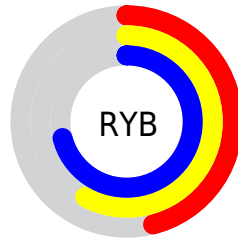
Distribution



Red (46%)

Green (71%)

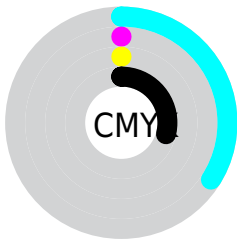
Blue (71%)



Red (46%)

Yellow (58%)

Blue (71%)

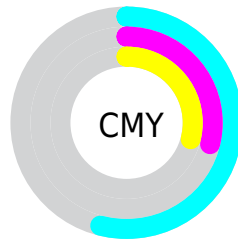


Cyan (34%)

Magenta (0%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (29%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0307, 39.7894, 49.1719 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 32.0307, 39.7894, 49.1719 by changing the saturation by 10% instead.

■ 32.0307, 39.7894,
49.1719

■ 32.0307, 39.7894,
49.1719

303.0019,
345.2351, 400.0606

■ 21.5406, 27.3744,
34.3893

■ 62.2241, 74.8427,
90.3303

■ 13.6344, 17.8546,
22.9130

■ 82.6581, 98.2498,
117.5433

■ 7.9469, 10.8456,
14.3246

■ 107.1374,
126.0897, 149.7367

■ 4.1125, 5.9631,
8.2055

136.0275,
158.7468, 187.3292

■ 1.7660, 2.8227,
4.1370

169.6936,
196.6055, 230.7393

■ 0.4970, 1.0399,
1.7008

208.5011,

■ 0.0000, 0.0000,

240.0502, 280.3855

0.3613

252.8154,
289.4653, 336.6864

■ 0.0000, 0.0000,
0.0000

■ 32.0307, 39.7894,
49.1719

■ 32.0307, 39.7894,
49.1719

■ 29.8160, 38.6487,
49.0688

■ 34.7142, 41.1738,
49.2987

■ 28.0400, 37.7331,
48.9853

■ 37.8875, 42.8097,
49.4476

■ 26.6746, 37.0292,
48.9211


■ 41.5746, 44.7104,
49.6205


■ 25.6868, 36.5200,
48.8745


■ 45.7968, 46.8870,
49.8184


■ 25.0389, 36.1860,
48.8438


■ 50.5743, 49.3499,
50.0423


 24.6851, 36.0036,
48.8269

 55.9262, 52.1089,
50.2931

 24.5599, 35.9391,
48.8208

 61.8708, 55.1734,
50.5717

 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.



31.8882, 39.7894, 39.5410



32.0307, 39.7894, 49.1719



33.6664, 39.7894, 58.4007

Triad

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



32.0307, 39.7894, 49.1719



42.7702, 39.7894, 56.8914



39.1963, 39.7894, 27.7323

Complementary

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



32.0307, 39.7894, 49.1719



28.5723, 23.9693, 20.2617

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.



42.2990, 39.7894, 31.0947



32.0307, 39.7894, 49.1719



44.4422, 39.7894, 47.3407

Square

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



32.0307, 39.7894, 49.1719



39.8090, 39.7894, 63.2885



44.2649, 39.7894, 37.9590



35.8958, 39.7894, 28.0729

Rectangle

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



32.0307, 39.7894, 49.1719



35.4408, 39.7894, 62.6557



44.2649, 39.7894, 37.9590



40.3005, 39.7894, 28.4438

Sweetspot

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



32.0319, 39.7910, 49.1728



71.4356, 79.0324, 89.7837



27.2048, 37.8765, 23.0174



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.



32.0319, 39.7910, 49.1728



55.0809, 70.6014, 89.0163



26.6223, 28.9715, 47.3708



8.7427, 9.6316, 10.9045



17.1405, 25.0822, 34.0725



0.5393, 0.7892, 1.0721

Inverse Universe

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



28.5723, 23.9693, 20.2617



47.8948, 37.7372, 28.9632



32.6785, 32.1821, 21.6298



8.4964, 8.5053, 8.8465



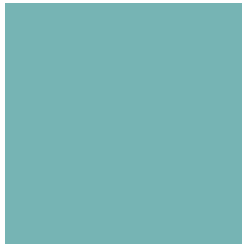
13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 32.0307, 39.7894, 49.1719 looks on a white background.

Color Contrast Check

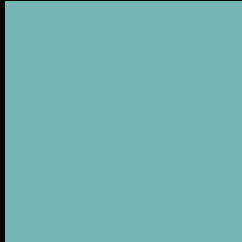
Large Text (above 18pt) WCAG AA × Fail

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 32.0307, 39.7894, 49.1719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

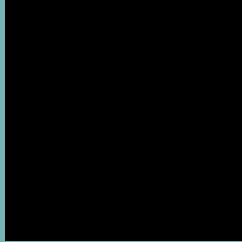
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0307, 39.7894, 49.1719

Background



This preview shows how black text looks on a background with the XYZ color 32.0307, 39.7894, 49.1719.



This preview shows how white text looks on a background with the XYZ color 32.0307, 39.7894,

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

32.0307, 39.7894, 49.1719

Protanopia

38.1230, 39.5684, 45.1633

Deuteranopia

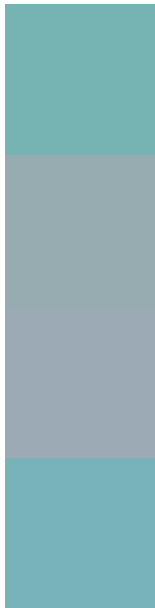
40.1828, 39.4348, 50.2936



Tritanopia

33.3200, 39.7115, 55.7781

Trichromacy



Original Color

32.0307, 39.7894, 49.1719

Protanomaly

35.3515, 39.2189, 46.7811

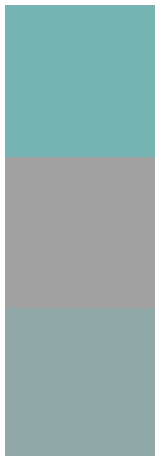
Deuteranomaly

36.5285, 39.1948, 49.8961

Tritanomaly

32.9429, 39.8641, 53.5352

Monochromacy



Original Color

32.0307, 39.7894, 49.1719

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7476, 36.8522, 42.4330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0307, 39.7894, 49.1719 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(118, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 180, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.0307, 39.7894, 49.1719 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(118, 180, 180) }
```


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

```
.border{ border-color:rgb(118, 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(118, 180, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(118, 180,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0307, 39.7894, 49.1719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 180, 180) }
```

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

```
.background{ background-color: rgb(118,  
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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