

Converting Colors

XYZ(29.3047, 39.3836, 35.1180)

Have a look what the booklet for
XYZ(29.3047, 39.3836, 35.1180)
contains.

XYZ(29.1724, 39.2353, 34.8898)	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(29.1724, 39.2353,
34.8898)**

Conversions

Conversions Part 1

Format	Color
Hex	72B696
RGB	114, 182, 150
RGB Percent	45%, 71%, 59%
CMY	0.5529, 0.2863, 0.4118
CMYK	0.37, 0.00, 0.18, 0.29
HSL	152°, 32%, 58%
HSV	152°, 37%, 71%
XYZ	29.1724, 39.2353, 34.8898
YIQ	158.0200, -30.2560, -24.3680

Conversions

Conversions Part 2

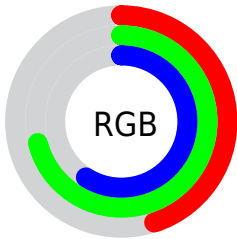
Format	Color
RYB	114, 158, 182
Decimal	7517846
CIELab	68.92, -28.77, 9.56
CIELCh	69, 30.313, 161.624
Yxy	39.2353, 0.2824, 0.3798
Android (android.graphics.Color)	4285707926 (0xFF72B696)
YUV	158.0200, -3.9539, -38.6055
Hunter-Lab	62.6381, -26.4840, 10.8218

Details

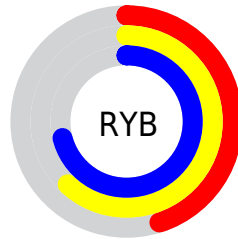
The XYZ color **29.1724, 39.2353, 34.8898** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.4983, 24.0560, 30.2315**, and the grayscale version is **32.5365, 34.2309, 37.2775**.

A 20% lighter version of the original color is **57.6221, 73.8335, 68.3410**, and **12.0890, 17.6255, 14.5693** is the 20% darker color. If you saturate the color by 10%, you get **26.3719, 37.8695, 31.2895**, and if you desaturate by 10%, it is **32.4965, 40.8674, 38.7795**.

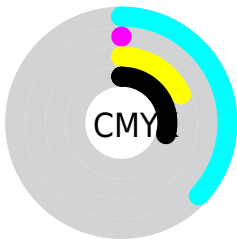
Distribution



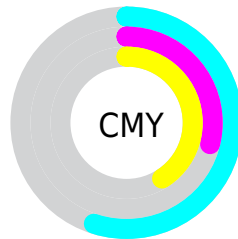
- Red (45%)
- Green (71%)
- Blue (59%)



- Red (45%)
- Yellow (62%)
- Blue (71%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (29%)





- Cyan (55%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1724, 39.2353, 34.8898 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 29.1724, 39.2353, 34.8898 by changing the saturation by 10% instead.


 29.1724, 39.2353,
34.8898


 29.1724, 39.2353,
34.8898


290.0071,
342.8898, 338.9711


 19.3562, 26.9428,
23.2951


 57.7465, 73.9976,
68.4646

 12.0335, 17.5303,
14.6042


 77.2352, 97.2363,
91.2819

 6.8388, 10.6133,
8.3986


 100.6788,
124.8925, 118.6771

 3.4070, 5.8074,
4.2596

128.4425,
157.3505, 151.0688

 1.3724, 2.7283,
1.7688

160.8919,
194.9949, 188.8755

 0.2365, 0.9916,
0.4073

198.3922,

 0.0000, 0.0000,

238.2100, 232.5157

0.0000

241.3088,
287.3802, 282.4081

■ 29.1724, 39.2353,
34.8898

■ 29.1724, 39.2353,
34.8898

■ 26.3719, 37.8695,
31.2895

■ 32.4965, 40.8674,
38.7795

■ 24.0627, 36.7501,
27.9689

■ 36.3678, 42.7745,
42.9627

■ 22.2136, 35.8624,
24.9218


■ 40.8123, 44.9711,
47.4466


■ 20.7885, 35.1878,
22.1403


■ 45.8533, 47.4690,
52.2374

■ 19.7451, 34.7047,
19.6164


■ 51.5129, 50.2795,
57.3411


 19.0223, 34.3817,
17.3407

 57.8118, 53.4133,
62.7636

 18.8562, 34.3083,
16.7798

 64.7701, 56.8804,
68.5105

 70.6921, 59.8067,
74.5070

 71.8460, 60.2682,
80.5831

Harmonies

Analogous

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



31.4702, 39.2353, 25.7972



29.1724, 39.2353, 34.8898



28.9333, 39.2353, 48.2930

Triad

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



29.1724, 39.2353, 34.8898



39.1901, 39.2353, 74.3371



44.6553, 39.2353, 27.4083

Complementary

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



29.1724, 39.2353, 34.8898



30.4983, 24.0560, 30.2315

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.



47.1229, 39.2353, 37.5942



29.1724, 39.2353, 34.8898



43.7908, 39.2353, 65.7833

Square

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



29.1724, 39.2353, 34.8898



34.4468, 39.2353, 73.1732



46.7936, 39.2353, 51.6433



40.2897, 39.2353, 22.1630

Rectangle

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



29.1724, 39.2353, 34.8898



29.9461, 39.2353, 58.1985



46.7936, 39.2353, 51.6433



45.7505, 39.2353, 30.2633

Sweetspot

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



29.1735, 39.2369, 34.8907



70.7832, 79.9429, 82.8436



31.7752, 40.8632, 22.1328



15.3922, 17.5375, 18.0546



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.1735, 39.2369, 34.8907



48.5620, 69.0202, 57.7361



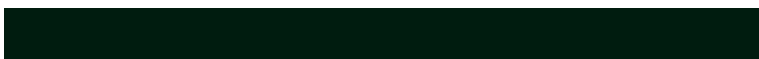
31.8810, 39.9500, 50.2887



9.0837, 10.1374, 10.5979



13.3493, 24.2407, 12.0275



0.5016, 0.8669, 0.5872

Inverse Universe

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



30.4983, 24.0560, 30.2315



51.3205, 37.4329, 48.0507



28.4758, 23.4528, 18.9461



9.1758, 9.0807, 10.2731



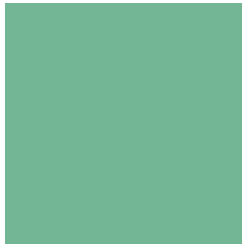
14.8327, 7.5068, 7.0058



0.5542, 0.2772, 0.4119

Previews

White Background



This preview shows how the XYZ color 29.1724, 39.2353, 34.8898 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 29.1724, 39.2353, 34.8898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

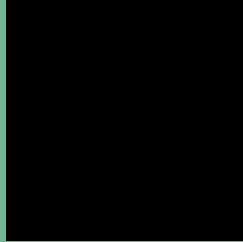
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1724, 39.2353, 34.8898

Background



This preview shows how black text looks on a background with the XYZ color 29.1724, 39.2353, 34.8898.

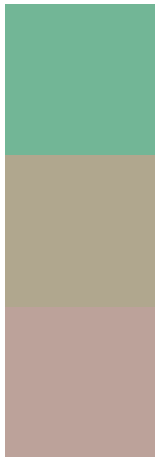


This preview shows how white text looks on a background with the XYZ color 29.1724, 39.2353,

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

29.1724, 39.2353, 34.8898

Protanopia

36.6057, 38.8205, 31.1550

Deuteranopia

39.4921, 38.8651, 35.9921



Tritanopia

33.0977, 39.0232, 55.0780

Trichromacy



Original Color

29.1724, 39.2353, 34.8898

Protanomaly

33.0002, 38.3217, 32.4456

Deuteranomaly

34.6357, 38.2529, 35.6950

Tritanomaly

31.5026, 38.9684, 46.9356

Monochromacy



Original Color

29.1724, 39.2353, 34.8898

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.8904, 35.7548, 36.2836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1724, 39.2353, 34.8898 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(114, 182, 150)` looks like.

```
.text, #text, p{  
    color:rgb(114, 182, 150)  
}
```

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(114, 182, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 182, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.1724, 39.2353, 34.8898 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(114, 182, 150) }
```


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

```
.border{ border-color:rgb(114, 182, 150) }
```

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

Here you see how a box with a 4 pixel rgb(114, 182, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 182, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 182, 150);  
box-shadow:4px 4px 4px 4px rgb(114, 182,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1724, 39.2353, 34.8898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 182, 150) }
```

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

```
.background{ background-color: rgb(114,  
182, 150) }
```

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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