

Converting Colors

XYZ(24.3502, 33.1724, 37.7690)

Have a look what the booklet for
XYZ(24.3502, 33.1724, 37.7690)
contains.

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Color

**XYZ(24.3790, 33.1839,
37.9211)**

Conversions

Conversions Part 1

Format	Color
Hex	55AA9F
RGB	85, 170, 159
RGB Percent	33%, 67%, 62%
CMY	0.6667, 0.3333, 0.3765
CMYK	0.50, 0.00, 0.06, 0.33
HSL	172°, 33%, 50%
HSV	172°, 50%, 67%
XYZ	24.3790, 33.1839, 37.9211
YIQ	143.3310, -47.1290, -21.4410

Conversions

Conversions Part 2

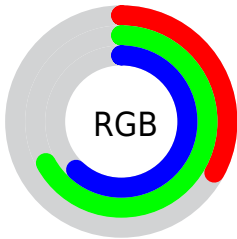
Format	Color
RYB	85, 130, 170
Decimal	5614239
CIELab	64.31, -28.48, -2.25
CIELCh	64, 28.566, 184.516
Yxy	33.1839, 0.2553, 0.3475
Android (android.graphics.Color)	4283804319 (0xFF55AA9F)
YUV	143.3310, 7.7248, -51.1563
Hunter-Lab	57.6055, -25.2672, 1.2938

Details

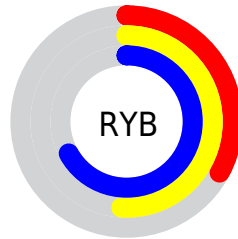
The XYZ color **24.3790, 33.1839, 37.9211** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.9385, 15.8885, 12.9779**, and the grayscale version is **26.2250, 27.5908, 30.0464**.

A 20% lighter version of the original color is **50.3185, 64.9105, 73.4952**, and **9.3989, 13.9759, 16.3896** is the 20% darker color. If you saturate the color by 10%, you get **22.8282, 32.4071, 36.8612**, and if you desaturate by 10%, it is **26.3059, 34.1558, 39.0178**.

Distribution



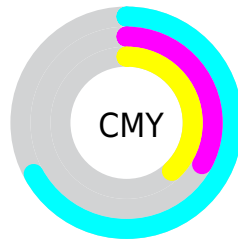
- Red (33%)
- Green (67%)
- Blue (62%)



- Red (33%)
- Yellow (51%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)



- Cyan (67%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3790, 33.1839, 37.9211 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 24.3790, 33.1839, 37.9211 by changing the saturation by 10% instead.

■ 24.3790, 33.1839,
37.9211

■ 24.3790, 33.1839,
37.9211

267.1361,
316.4776, 352.5694

■ 15.7413, 22.2674,
25.6201

■ 50.0982, 64.6625,
73.1893

■ 9.4309, 14.0535,
16.3164

■ 67.9103, 85.9934,
96.9935

■ 5.0827, 8.1579,
9.5916

■ 89.5112, 111.5645,
125.4693

■ 2.3311, 4.1961,
5.0270

■ 115.2664,
141.7603, 159.0351

■ 0.8105, 1.7839,
2.2041

145.5411,
176.9651, 198.1094

■ 0.0000, 0.4771,
0.6767

180.7007,

■ 0.0000, 0.0000,

217.5633, 243.1109

0.0000

221.1106,
263.9393, 294.4581

■ 24.3790, 33.1839,
37.9211

■ 24.3790, 33.1839,
37.9211

■ 22.8282, 32.4071,
36.8612

■ 26.3059, 34.1558,
39.0178

■ 21.6235, 31.8075,
35.8345

■ 28.6304, 35.3315,
40.1501

■ 20.7354, 31.3708,
34.8402


■ 31.3757, 36.7237,
41.3201


■ 20.1276, 31.0782,
33.8764

■ 34.5624, 38.3430,
42.5288


■ 19.7205, 30.8886,
32.9394


■ 38.2098, 40.1995,
43.7771

 19.7205, 30.8886,
32.9394

 42.3359, 42.3023,
45.0661

 46.9579, 44.6604,
46.3965

 52.0921, 47.2821,
47.7692

 57.7540, 50.1754,
49.1851

Harmonies

Analogous

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



25.0037, 33.1839, 27.3387



24.3790, 33.1839, 37.9211



25.5340, 33.1839, 50.3420

Triad

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



24.3790, 33.1839, 37.9211



36.1749, 33.1839, 57.8674



35.0206, 33.1839, 19.4709

Complementary

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



24.3790, 33.1839, 37.9211



21.9385, 15.8885, 12.9779

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.



38.4215, 33.1839, 24.8838



24.3790, 33.1839, 37.9211



39.1271, 33.1839, 46.6327

Square

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



24.3790, 33.1839, 37.9211



32.1591, 33.1839, 63.3240



39.9823, 33.1839, 34.3994



30.9295, 33.1839, 18.1091

Rectangle

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



24.3790, 33.1839, 37.9211



27.2214, 33.1839, 57.5712



39.9823, 33.1839, 34.3994



36.2935, 33.1839, 20.8100

Sweetspot

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



24.3800, 33.1852, 37.9219



59.5570, 67.9652, 75.9961



20.8744, 31.9115, 13.6543



13.0223, 15.0248, 16.8477



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.3800, 33.1852, 37.9219



41.1502, 58.6634, 66.6726



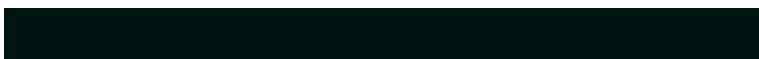
20.2115, 23.2517, 41.4544



7.7051, 8.5151, 9.4334



14.5205, 22.7270, 24.3058



0.3645, 0.5574, 0.6504

Inverse Universe

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



21.9385, 15.8885, 12.9779



36.2289, 23.6474, 16.2820



24.4830, 21.7322, 11.4993



7.5692, 7.5575, 8.0485



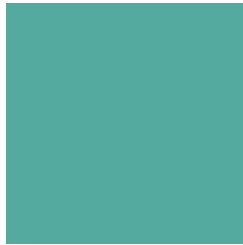
12.3134, 6.3341, 1.1961



0.3112, 0.1587, 0.0901

Previews

White Background



This preview shows how the XYZ color 24.3790, 33.1839, 37.9211 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 24.3790, 33.1839, 37.9211 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 24.3790, 33.1839, 37.9211

Background



This preview shows how black text looks on a background with the XYZ color 24.3790, 33.1839, 37.9211.

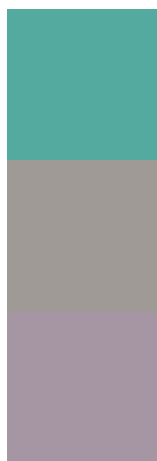


This preview shows how white text looks on a background with the XYZ color 24.3790, 33.1839,

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

24.3790, 33.1839, 37.9211

Protanopia

31.3587, 32.6841, 33.5101

Deuteranopia

33.2431, 32.5640, 39.1837



Tritanopia

26.4706, 33.2080, 48.1947

Trichromacy



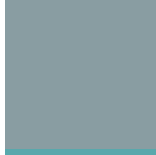
Original Color

24.3790, 33.1839, 37.9211



Protanomaly

27.8363, 32.3471, 34.9135



Deuteranomaly

28.8951, 32.0409, 38.8440



Tritanomaly

25.5688, 33.1077, 44.0725

Monochromacy



Original Color

24.3790, 33.1839, 37.9211



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.8421, 29.0900, 32.7394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3790, 33.1839, 37.9211 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(85, 170, 159)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 159)  
}
```

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(85, 170, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 170, 159) }
```

Border

The CSS property to change the border of an element to XYZ 24.3790, 33.1839, 37.9211 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(85, 170, 159) }
```


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

```
.border{ border-color:rgb(85, 170, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 170, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 170, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 170, 159);  
box-shadow:4px 4px 4px 4px rgb(85, 170,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3790, 33.1839, 37.9211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 170, 159) }
```

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

```
.background{ background-color: rgb(85, 170,  
159) }
```

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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