

Converting Colors

XYZ(34.7871, 39.1808, 22.5588)

Have a look what the booklet for
XYZ(34.7871, 39.1808, 22.5588)
contains.

XYZ(34.7871, 39.1808, 22.5588)	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(34.7871, 39.1808,
22.5588)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAB75
RGB	172, 171, 117
RGB Percent	67%, 67%, 46%
CMY	0.3255, 0.3294, 0.5412
CMYK	0.00, 0.01, 0.32, 0.33
HSL	59°, 25%, 57%
HSV	59°, 32%, 67%
XYZ	34.7871, 39.1808, 22.5588
YIQ	165.1430, 17.9300, -16.5820

Conversions

Conversions Part 2

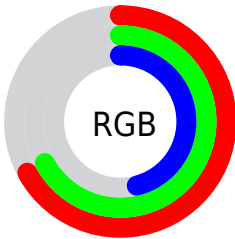
Format	Color
RYB	118, 172, 117
Decimal	11316085
CIELab	68.88, -8.22, 28.00
CIELCh	69, 29.184, 106.352
Yxy	39.1808, 0.3604, 0.4059
Android (android.graphics.Color)	4289506165 (0xFFACAB75)
YUV	165.1430, -23.7345, 6.0136
Hunter-Lab	62.5946, -10.3386, 22.4483

Details

The XYZ color **34.7871, 39.1808, 22.5588** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.2610, 19.7170, 41.7152**, and the grayscale version is **35.9380, 37.8095, 41.1746**.

A 20% lighter version of the original color is **66.4470, 73.7890, 48.7708**, and **15.2480, 17.5329, 8.0494** is the 20% darker color. If you saturate the color by 10%, you get **33.8090, 38.6969, 17.6936**, and if you desaturate by 10%, it is **35.9532, 39.7429, 28.4043**.

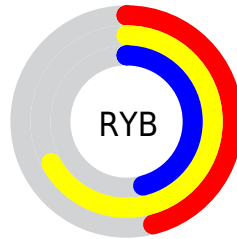
Distribution



Red (67%)

Green (67%)

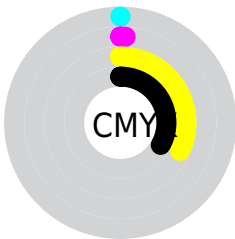
Blue (46%)



Red (46%)

Yellow (67%)

Blue (46%)

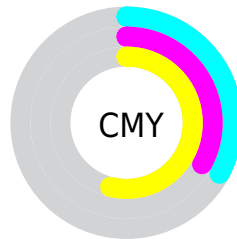


Cyan (0%)

Magenta (1%)

Yellow (32%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7871, 39.1808, 22.5588 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 34.7871, 39.1808, 22.5588 by changing the saturation by 10% instead.


 34.7871, 39.1808,
22.5588


 34.7871, 39.1808,
22.5588


315.1521,
342.6586, 278.4988

 23.6647, 26.9004,
14.0658


 66.4920, 73.9144,
48.5818

 15.2084, 17.4984,
8.0272


 87.8052, 97.1365,
66.9490

 9.0531, 10.5905,
4.0243


 113.2460,
124.7745, 89.4446

 4.8332, 5.7922,
1.6387

143.1799,
157.2129, 116.4873

 2.1835, 2.7191,
0.3182

177.9720,
194.8362, 148.4955

 0.7340, 0.9869,
0.0000

217.9879,

 0.0000, 0.0000,

238.0286, 185.8878

0.0000

263.5928,
287.1746, 229.0827

■ 34.7871, 39.1808,
22.5588

■ 34.7871, 39.1808,
22.5588

■ 33.8090, 38.6969,
17.6936

■ 35.9532, 39.7429,
28.4043

■ 33.0057, 38.2817,
13.7527

■ 37.3137, 40.3816,
35.2773

■ 32.3670, 37.9326,
10.6780

■ 38.8784, 41.1022,
43.2249

■ 31.8805, 37.6447,
8.4040

■ 40.6555, 41.9080,
52.2903

■ 31.5319, 37.4121,
6.8558

■ 42.6528, 42.8020,
62.5147

■ 31.3044, 37.2281,
5.9443

■ 44.8778, 43.7874,
73.9370

■ 31.1800, 37.1039,
5.5184

■ 47.3374, 44.8669,
86.5943

■ 50.0384, 46.0431,
100.5222

■ 50.1624, 46.1887,
100.8792

Harmonies

Analogous

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



39.3827, 39.1808, 22.3555



34.7871, 39.1808, 22.5588



31.1568, 39.1808, 27.3588

Triad

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



34.7871, 39.1808, 22.5588



31.4217, 39.1808, 63.9220



46.5887, 39.1808, 48.9709

Complementary

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



34.7871, 39.1808, 22.5588



21.2610, 19.7170, 41.7152

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.



44.0679, 39.1808, 62.8130



34.7871, 39.1808, 22.5588



35.1768, 39.1808, 72.5793

Square

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



34.7871, 39.1808, 22.5588



29.3269, 39.1808, 50.2578



39.8059, 39.1808, 72.1358



46.4624, 39.1808, 35.8715

Rectangle

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



34.7871, 39.1808, 22.5588



29.6589, 39.1808, 33.2211



39.8059, 39.1808, 72.1358



46.0144, 39.1808, 53.7390

Sweetspot

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



34.7881, 39.1826, 22.5596



68.1745, 73.4815, 66.4425



26.6947, 22.8216, 20.3989



14.7364, 15.9324, 14.0369



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.



34.7881, 39.1826, 22.5596



61.8832, 70.4773, 34.8170



29.8772, 36.9313, 22.3839



8.6501, 9.3049, 8.5535



23.2075, 27.6204, 4.1081



0.6494, 0.7760, 0.1156

Inverse Universe

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



21.2610, 19.7170, 41.7152



33.6544, 29.8569, 74.7949



25.0782, 21.5116, 41.8604



7.5901, 7.7796, 10.0543



5.5709, 2.2757, 29.1901



0.1587, 0.0707, 0.8133

Previews

White Background



This preview shows how the XYZ color 34.7871, 39.1808, 22.5588 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 34.7871, 39.1808, 22.5588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

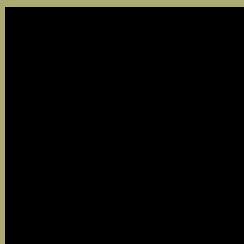
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

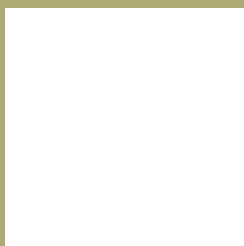
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7871, 39.1808, 22.5588

Background



This preview shows how black text looks on a background with the XYZ color 34.7871, 39.1808, 22.5588.



This preview shows how white text looks on a background with the XYZ color 34.7871, 39.1808,

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

34.7871, 39.1808, 22.5588

Protanopia

36.4464, 39.2113, 22.1706

Deuteranopia

39.8941, 39.1010, 22.8974



Tritanopia

39.5241, 38.9127, 46.5021

Trichromacy



Original Color

34.7871, 39.1808, 22.5588

Protanomaly

35.7004, 39.1019, 22.1888

Deuteranomaly

37.9604, 39.1654, 22.6985

Tritanomaly

37.4571, 38.8691, 36.5386

Monochromacy



Original Color

34.7871, 39.1808, 22.5588

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.3125, 38.1004, 33.5099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7871, 39.1808, 22.5588 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(172, 171, 117)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 117)  
}
```

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(172, 171, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 117) }
```

Border

The CSS property to change the border of an element to XYZ 34.7871, 39.1808, 22.5588 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(172, 171, 117) }
```


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

```
.border{ border-color:rgb(172, 171, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 117);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7871, 39.1808, 22.5588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 117) }
```

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

```
.background{ background-color: rgb(172,  
171, 117) }
```

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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