

Converting Colors

XYZ(35.8675, 39.8242, 6.9167)

Have a look what the booklet for
XYZ(35.8675, 39.8242, 6.9167)
contains.

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Color

**XYZ(35.8195, 39.7804,
6.8891)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAA1C
RGB	190, 170, 28
RGB Percent	75%, 67%, 11%
CMY	0.2549, 0.3333, 0.8902
CMYK	0.00, 0.11, 0.85, 0.25
HSL	53°, 74%, 43%
HSV	53°, 85%, 75%
XYZ	35.8195, 39.7804, 6.8891
YIQ	159.7920, 57.5020, -39.9220

Conversions

Conversions Part 2

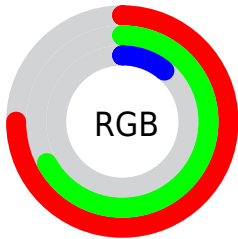
Format	Color
RYB	51, 190, 28
Decimal	12495388
CIELab	69.31, -6.57, 67.40
CIELCh	69, 67.716, 95.568
Yxy	39.7804, 0.4342, 0.4823
Android (android.graphics.Color)	4290685468 (0xFFBEAA1C)
YUV	159.7920, -64.9735, 26.4924
Hunter-Lab	63.0717, -9.0023, 37.6742

Details

The XYZ color **35.8195, 39.7804, 6.8891** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.8303, 6.0787, 49.3173**, and the grayscale version is **33.5902, 35.3395, 38.4848**.

A 20% lighter version of the original color is **68.1527, 74.8957, 20.3155**, and **15.9942, 17.8624, 2.6048** is the 20% darker color. If you saturate the color by 10%, you get **35.2243, 38.8467, 5.9003**, and if you desaturate by 10%, it is **36.5675, 40.7909, 8.6362**.

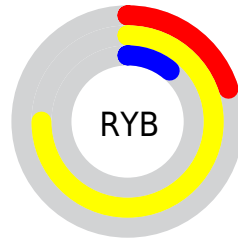
Distribution



Red (75%)

Green (67%)

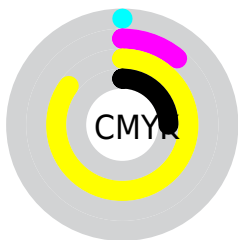
Blue (11%)



Red (20%)

Yellow (75%)

Blue (11%)

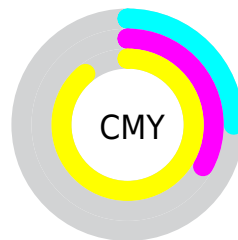


Cyan (0%)

Magenta (11%)

Yellow (85%)

Black (25%)



Cyan (25%)


Magenta (33%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8195, 39.7804, 6.8891 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 35.8195, 39.7804, 6.8891 by changing the saturation by 10% instead.


 35.8195, 39.7804,
6.8891


 35.8195, 39.7804,
6.8891


319.6159,
345.1971, 176.3348

 24.4643, 27.3674,
3.3154


 68.0791, 74.8290,
20.2588

 15.8050, 17.8493,
1.2579


 89.7141, 98.2334,
30.8920

 9.4762, 10.8419,
0.0269


 115.5065,
126.0703, 44.7153

 5.1127, 5.9606,
0.0000

 145.8216,
158.7241, 62.1475

 2.3490, 2.8211,
0.0000

 181.0248,
196.5794, 83.6070

 0.8195, 1.0391,
0.0000

 221.4813,

 0.0000, 0.0000,

240.0204, 109.5124

0.0000

267.5566,
289.4315, 140.2821

■ 35.8195, 39.7804,
6.8891

■ 35.8195, 39.7804,
6.8891

■ 35.2243, 38.8467,
5.9003

■ 36.5675, 40.7909,
8.6362

■ 34.9711, 38.4192,
5.5725

■ 37.4894, 41.8820,
11.2635

■ 38.6051, 43.0633,
14.8732

■ 39.9316, 44.3416,
19.5528

■ 41.4835, 45.7230,
25.3802

■ 43.2743, 47.2127,
32.4261

■ 45.3164, 48.8159,
40.7554

■ 47.6212, 50.5372,
50.4285

■ 50.1997, 52.3810,
61.5017

Harmonies

Analogous

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



47.1244, 39.7804, 8.4888



35.8195, 39.7804, 6.8891



26.9153, 39.7804, 10.6014

Triad

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



35.8195, 39.7804, 6.8891



23.2374, 39.7804, 88.2590



60.1939, 39.7804, 73.0676

Complementary

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



35.8195, 39.7804, 6.8891



10.8303, 6.0787, 49.3173

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.



51.3076, 39.7804, 112.4706



35.8195, 39.7804, 6.8891



29.8119, 39.7804, 123.7955

Square

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



35.8195, 39.7804, 6.8891



20.5983, 39.7804, 49.3811



39.8731, 39.7804, 134.2995



62.6422, 39.7804, 37.7655

Rectangle

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



35.8195, 39.7804, 6.8891



23.0662, 39.7804, 17.5302



39.8731, 39.7804, 134.2995



57.7873, 39.7804, 86.7074

Sweetspot

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



35.8204, 39.7823, 6.8899



78.0200, 85.2331, 57.1606



22.2177, 12.0048, 4.1194



16.8754, 18.5052, 11.5321



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



35.8204, 39.7823, 6.8899



63.2479, 69.3710, 10.0564



27.9216, 41.7041, 7.6772



10.2190, 10.9141, 10.1447



23.2930, 25.6249, 3.7184



0.9410, 1.0609, 0.1552

Inverse Universe

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



10.8303, 6.0787, 49.3173



17.3204, 7.6926, 88.8511



13.6780, 6.5943, 49.2667



9.1089, 9.4101, 12.0084



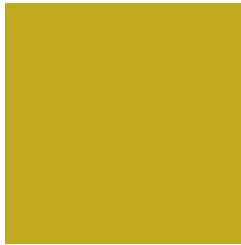
6.4218, 2.9554, 32.6249



0.2831, 0.1788, 1.2885

Previews

White Background



This preview shows how the XYZ color 35.8195, 39.7804, 6.8891 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 35.8195, 39.7804, 6.8891 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 35.8195, 39.7804, 6.8891

Background



This preview shows how black text looks on a background with the XYZ color 35.8195, 39.7804, 6.8891.



This preview shows how white text looks on a background with the XYZ color 35.8195, 39.7804,

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

35.8195, 39.7804, 6.8891

Protanopia

36.0702, 39.9097, 6.9008

Deuteranopia

40.4742, 39.7514, 7.0529



Tritanopia

43.3020, 39.6354, 43.3983

Trichromacy



Original Color

35.8195, 39.7804, 6.8891

Protanomaly

36.0702, 39.9097, 6.9008

Deuteranomaly

38.7130, 39.6343, 6.9763

Tritanomaly

38.9553, 38.8844, 22.5918

Monochromacy



Original Color

35.8195, 39.7804, 6.8891

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.9947, 36.3787, 20.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8195, 39.7804, 6.8891 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(190, 170, 28)` looks like.

```
.text, #text, p{  
    color:rgb(190, 170, 28)  
}
```

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(190, 170, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 28) }
```

Border

The CSS property to change the border of an element to XYZ 35.8195, 39.7804, 6.8891 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(190, 170, 28) }
```


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

```
.border{ border-color:rgb(190, 170, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 170, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 28);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8195, 39.7804, 6.8891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 170, 28) }
```

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

```
.background{ background-color: rgb(190,  
170, 28) }
```

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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