

Converting Colors

XYZ(31.1024, 35.6426, 5.2404)

Have a look what the booklet for
XYZ(31.1024, 35.6426, 5.2404)
contains.

XYZ(31.1800, 35.7810, 5.2631)	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(31.1800, 35.7810,
5.2631)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A400
RGB	176, 164, 0
RGB Percent	69%, 64%, 0%
CMY	0.3098, 0.3568, 0.9999
CMYK	0.00, 0.07, 1.00, 0.31
HSL	56°, 100%, 35%
HSV	56°, 100%, 69%
XYZ	31.1800, 35.7810, 5.2631
YIQ	148.8920, 59.7960, -48.4600

Conversions

Conversions Part 2

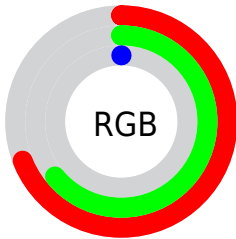
Format	Color
RYB	13, 176, 0
Decimal	11576320
CIELab	66.35, -10.13, 69.13
CIElCh	66, 69.870, 98.335
Yxy	35.7810, 0.4317, 0.4954
Android (android.graphics.Color)	4289766400 (0xFFB0A400)
YUV	148.8920, -73.4038, 23.7737
Hunter-Lab	59.8172, -11.6362, 36.6553

Details

The XYZ color **31.1800, 35.7810, 5.2631** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.9683, 3.3979, 41.3100**, and the grayscale version is **28.8047, 30.3047, 33.0019**.

A 20% lighter version of the original color is **60.8970, 68.8470, 16.9167**, and **13.5129, 15.7322, 2.3244** is the 20% darker color. If you saturate the color by 10%, you get **31.1805, 35.7823, 5.2633**, and if you desaturate by 10%, it is **31.5025, 36.2565, 5.8938**.

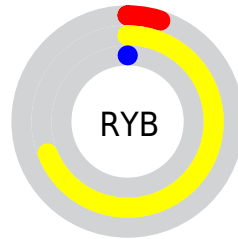
Distribution



Red (69%)

Green (64%)

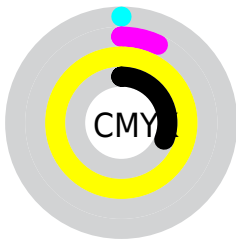
Blue (0%)



Red (5%)

Yellow (69%)

Blue (0%)

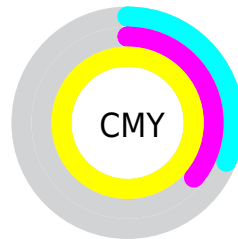


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1800, 35.7810, 5.2631 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 31.1800, 35.7810, 5.2631 by changing the saturation by 10% instead.

■ 31.1800, 35.7810,
5.2631

■ 31.1800, 35.7810,
5.2631

299.1788,
328.0023, 161.3724

■ 20.8885, 24.2651,
2.3410

■ 60.8973, 68.6939,
16.8315

■ 13.1545, 15.5304,
0.7541

■ 81.0537, 90.8597,
26.3149

■ 7.6127, 9.1925,
0.0000

■ 105.2291,
117.3443, 38.8225

■ 3.8979, 4.8669,
0.0000

■ 133.7889,
148.5320, 54.7729

■ 1.6445, 2.1694,
0.0000

■ 167.0984,
184.8073, 74.5845

■ 0.4212, 0.7032,
0.0000

■ 205.5230,

■ 0.0000, 0.0000,

226.5545, 98.6759

0.0000

249.4280,
274.1580, 127.4657

31.1800, 35.7810,
5.2631

31.1800, 35.7810,
5.2631

31.1805, 35.7823,
5.2633

31.5025, 36.2565,
5.8938

31.9208, 36.7722,
7.0223

32.4723, 37.3445,
8.8428

33.1745, 37.9803,
11.4459

34.0418, 38.6854,
14.9089

■ 35.0872, 39.4650,
19.2995

■ 36.3223, 40.3238,
24.6788

■ 37.7577, 41.2661,
31.1027

■ 39.4032, 42.2956,
38.6230

Harmonies

Analogous

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



41.9747, 35.7810, 6.2263



31.1800, 35.7810, 5.2631



23.0115, 35.7810, 9.0184

Triad

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



31.1800, 35.7810, 5.2631



20.5631, 35.7810, 86.6290



56.2948, 35.7810, 64.2840

Complementary

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



31.1800, 35.7810, 5.2631



7.9683, 3.3979, 41.3100

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.



48.0476, 35.7810, 103.7283



31.1800, 35.7810, 5.2631



27.1204, 35.7810, 120.5819

Square

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



31.1800, 35.7810, 5.2631



17.7571, 35.7810, 47.9052



37.0037, 35.7810, 128.0707



58.0001, 35.7810, 31.2030

Rectangle

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



31.1800, 35.7810, 5.2631



19.6197, 35.7810, 15.8947



37.0037, 35.7810, 128.0707



54.1249, 35.7810, 77.6231

Sweetspot

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



31.1808, 35.7827, 5.2638



65.7482, 73.0475, 44.1909



17.9886, 9.2640, 1.2802



14.0416, 15.6887, 8.6682



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.1808, 35.7827, 5.2638



56.4834, 64.7613, 9.5232



21.0815, 33.9149, 5.4356



9.1465, 9.8055, 9.0631



22.8951, 26.2888, 3.8675



0.7351, 0.8566, 0.1266

Inverse Universe

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



7.9683, 3.3979, 41.3100



14.3928, 6.0452, 74.9036



10.6103, 4.5648, 41.3960



8.0869, 8.3201, 10.6860



5.8630, 2.5263, 30.3156



0.1998, 0.1101, 0.9590

Previews

White Background



This preview shows how the XYZ color 31.1800, 35.7810, 5.2631 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 31.1800, 35.7810, 5.2631 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 31.1800, 35.7810, 5.2631

Background



This preview shows how black text looks on a background with the XYZ color 31.1800, 35.7810, 5.2631.

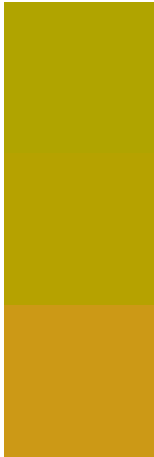


This preview shows how white text looks on a background with the XYZ color 31.1800, 35.7810,

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

31.1800, 35.7810, 5.2631

Protanopia

32.2117, 35.7857, 5.2096

Deuteranopia

36.4379, 35.6778, 5.7251



Tritanopia

38.1788, 35.5759, 39.9766

Trichromacy



Original Color

31.1800, 35.7810, 5.2631

Protanomaly

31.9196, 35.8977, 5.2466

Deuteranomaly

34.3844, 35.6150, 5.4776

Tritanomaly

33.6786, 34.7215, 18.0236

Monochromacy



Original Color

31.1800, 35.7810, 5.2631

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.9192, 31.3084, 15.3981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1800, 35.7810, 5.2631 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(176, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 164, 0)  
}
```

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(176, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 164, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.1800, 35.7810, 5.2631 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(176, 164, 0) }
```


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

```
.border{ border-color:rgb(176, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 164,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1800, 35.7810, 5.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 164, 0) }
```

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

```
.background{ background-color: rgb(176,  
164, 0) }
```

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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