

Converting Colors

XYZ(31.3920, 37.8067, 6.0700)

Have a look what the booklet for
XYZ(31.3920, 37.8067, 6.0700)
contains.

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Color

**XYZ(31.4368, 37.8155,
6.0577)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAB0E
RGB	171, 171, 14
RGB Percent	67%, 67%, 5%
CMY	0.3294, 0.3294, 0.9450
CMYK	0.00, 0.00, 0.92, 0.33
HSL	60°, 85%, 36%
HSV	60°, 92%, 67%
XYZ	31.4368, 37.8155, 6.0577
YIQ	153.1020, 50.3970, -48.8270

Conversions

Conversions Part 2

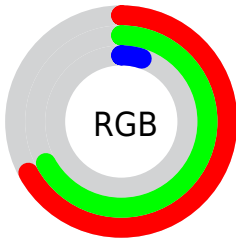
Format	Color
RYB	14, 171, 14
Decimal	11250446
CIELab	67.88, -15.79, 68.28
CIElCh	68, 70.079, 103.020
Yxy	37.8155, 0.4174, 0.5021
Android (android.graphics.Color)	4289440526 (0xFFABAB0E)
YUV	153.1020, -68.5773, 15.6965
Hunter-Lab	61.4943, -16.3632, 37.2055

Details

The XYZ color **31.4368, 37.8155, 6.0577** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.6898, 3.3484, 38.7715**, and the grayscale version is **30.5983, 32.1918, 35.0568**.

A 20% lighter version of the original color is **61.3525, 71.8249, 18.6126**, and **13.5363, 16.7711, 2.5237** is the 20% darker color. If you saturate the color by 10%, you get **31.3582, 37.7855, 5.6406**, and if you desaturate by 10%, it is **31.6073, 37.8851, 6.9509**.

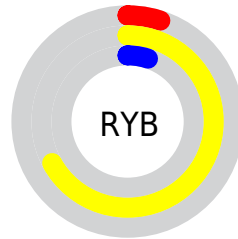
Distribution



Red (67%)

Green (67%)

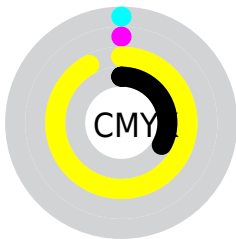
Blue (5%)



Red (5%)

Yellow (67%)

Blue (5%)

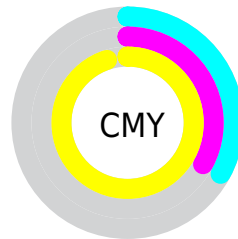


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4368, 37.8155, 6.0577 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 31.4368, 37.8155, 6.0577 by changing the saturation by 10% instead.

31.4368, 37.8155,
6.0577

31.4368, 37.8155,
6.0577

300.3367,
336.8279, 168.9090

21.0851, 25.8395,
2.8108

61.2983, 71.8253,
18.5303

13.2991, 16.7036,
0.9989

81.5388, 94.6278,
28.5931

7.7132, 10.0234,
0.0000

105.8064,
121.8081, 41.7649

3.9623, 5.4145,
0.0000

134.4663,
153.7503, 58.4644

1.6808, 2.4924,
0.0000

167.8839,
190.8391, 79.1100

0.4442, 0.8729,
0.0000

206.4247,

0.0000, 0.0000,

233.4586, 104.1202

0.0000

250.4538,
281.9934, 133.9137

■ 31.4368, 37.8155,
6.0577

■ 31.4368, 37.8155,
6.0577

■ 31.3582, 37.7855,
5.6406

■ 31.6073, 37.8851,
6.9509

■ 31.8965, 38.0008,
8.4734

■ 32.3220, 38.1710,
10.7132

■ 32.8977, 38.4013,
13.7441

■ 33.6358, 38.6966,
17.6305

■ 34.5474, 39.0613,
22.4304

■ 35.6426, 39.4993,
28.1965

■ 36.9304, 40.0145,
34.9776

■ 38.4197, 40.6102,
42.8194

Harmonies

Analogous

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



42.3979, 37.8155, 6.3610



31.4368, 37.8155, 6.0577



23.4864, 37.8155, 11.0867

Triad

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



31.4368, 37.8155, 6.0577



22.7258, 37.8155, 96.9964



59.8645, 37.8155, 61.2444

Complementary

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



31.4368, 37.8155, 6.0577



7.6898, 3.3484, 38.7715

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.



52.1694, 37.8155, 102.2674



31.4368, 37.8155, 6.0577



30.1781, 37.8155, 129.0448

Square

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



31.4368, 37.8155, 6.0577



19.1838, 37.8155, 56.1844



40.8594, 37.8155, 131.3511



60.3913, 37.8155, 29.1089

Rectangle

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



31.4368, 37.8155, 6.0577



20.3497, 37.8155, 19.5522



40.8594, 37.8155, 131.3511



57.9690, 37.8155, 74.7358

Sweetspot

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



31.4377, 37.8173, 6.0585



62.4808, 70.1972, 43.3912



17.0322, 9.0047, 1.2563



13.7615, 15.5854, 8.7707



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.



31.4377, 37.8173, 6.0585



56.1574, 67.6676, 10.1013



19.1079, 31.4610, 5.4814



8.6627, 9.3302, 8.5577



23.6380, 28.4829, 4.2519



0.6576, 0.7924, 0.1183

Inverse Universe

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



7.6898, 3.3484, 38.7715



13.1648, 5.2659, 69.3244



11.9731, 5.5565, 38.9720



7.5790, 7.7572, 10.0505



5.5414, 2.2166, 29.1803



0.1542, 0.0617, 0.8118

Previews

White Background



This preview shows how the XYZ color 31.4368, 37.8155, 6.0577 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 31.4368, 37.8155, 6.0577 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 31.4368, 37.8155, 6.0577

Background



This preview shows how black text looks on a background with the XYZ color 31.4368, 37.8155, 6.0577.

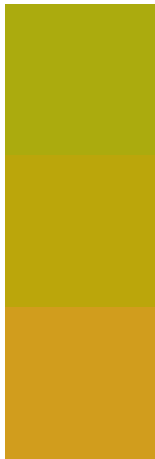


This preview shows how white text looks on a background with the XYZ color 31.4368, 37.8155,

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

31.4368, 37.8155, 6.0577

Protanopia

34.1901, 37.8614, 5.8226

Deuteranopia

38.5732, 37.7580, 6.4174



Tritanopia

39.0402, 37.6816, 43.7437

Trichromacy



Original Color

31.4368, 37.8155, 6.0577

Protanomaly

33.1250, 37.8556, 5.9088

Deuteranomaly

35.5909, 37.5087, 6.2282

Tritanomaly

34.4946, 36.8743, 21.2190

Monochromacy



Original Color

31.4368, 37.8155, 6.0577

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.4663, 33.5745, 17.4979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4368, 37.8155, 6.0577 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(171, 171, 14)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 14)  
}
```

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(171, 171, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 14) }
```

Border

The CSS property to change the border of an element to XYZ 31.4368, 37.8155, 6.0577 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(171, 171, 14) }
```


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

```
.border{ border-color:rgb(171, 171, 14) }
```

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

Here you see how a box with a 4 pixel rgb(171, 171, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 14);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4368, 37.8155, 6.0577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 14) }
```

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

```
.background{ background-color: rgb(171,  
171, 14) }
```

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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