

Converting Colors

XYZ(31.1071, 37.6707, 5.6317)

Have a look what the booklet for
XYZ(31.1071, 37.6707, 5.6317)
contains.

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Color

**XYZ(31.1405, 37.6719,
5.6301)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAB00
RGB	170, 171, 0
RGB Percent	67%, 67%, 0%
CMY	0.3333, 0.3294, 0.9999
CMYK	0.01, 0.00, 1.00, 0.33
HSL	60°, 100%, 34%
HSV	60°, 100%, 67%
XYZ	31.1405, 37.6719, 5.6301
YIQ	151.2070, 54.2950, -53.3930

Conversions

Conversions Part 2

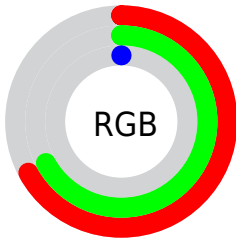
Format	Color
RYB	0, 171, 1
Decimal	11184896
CIELab	67.78, -16.42, 69.93
CIELCh	68, 71.837, 103.213
Yxy	37.6719, 0.4183, 0.5061
Android (android.graphics.Color)	4289374976 (0xFFAAAB00)
YUV	151.2070, -74.5451, 16.4815
Hunter-Lab	61.3774, -16.8466, 37.5256

Details

The XYZ color **31.1405, 37.6719, 5.6301** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.3641, 2.9474, 38.7113**, and the grayscale version is **29.7991, 31.3510, 34.1412**.

A 20% lighter version of the original color is **60.8490, 71.5865, 17.6317**, and **13.4069, 16.7044, 2.5176** is the 20% darker color. If you saturate the color by 10%, you get **31.1412, 37.6736, 5.6304**, and if you desaturate by 10%, it is **31.2651, 37.7257, 6.1690**.

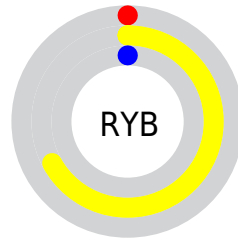
Distribution



Red (67%)

Green (67%)

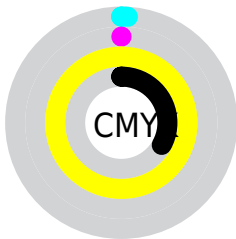
Blue (0%)



Red (0%)

Yellow (67%)

Blue (0%)

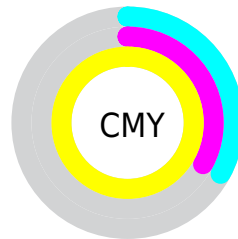


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1405, 37.6719, 5.6301 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 31.1405, 37.6719, 5.6301 by changing the saturation by 10% instead.

■ 31.1405, 37.6719,
5.6301

■ 31.1405, 37.6719,
5.6301

299.0004,
336.2104, 164.9127

■ 20.8582, 25.7281,
2.5564

■ 60.8355, 71.6050,
17.6224

■ 13.1323, 16.6204,
0.8698

■ 80.9790, 94.3631,
27.3780

■ 7.5973, 9.9642,
0.0000

■ 105.1402,
121.4947, 40.1980

■ 3.8880, 5.3752,
0.0000

■ 133.6846,
153.3844, 56.5010

■ 1.6390, 2.4691,
0.0000

■ 166.9774,
190.4164, 76.7053

■ 0.4176, 0.8611,
0.0000

■ 205.3841,

■ 0.0000, 0.0000,

232.9751, 101.2297

0.0000

249.2700,
281.4450, 130.4927

■ 31.1405, 37.6719,
5.6301

■ 31.1405, 37.6719,
5.6301

■ 31.1412, 37.6736,
5.6304

■ 31.2651, 37.7257,
6.1690

■ 31.4766, 37.8128,
7.1694

■ 31.8111, 37.9491,
8.8170

■ 32.2845, 38.1410,
11.1963

■ 32.9105, 38.3939,
14.3788

■ 33.7011, 38.7126,
18.4279

■ 34.6670, 39.1015,
23.4002

■ 35.8181, 39.5645,
29.3480

■ 37.1637, 40.1053,
36.3193

Harmonies

Analogous

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



42.3391, 37.6719, 5.8971



31.1405, 37.6719, 5.6301



23.0770, 37.6719, 10.6292

Triad

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



31.1405, 37.6719, 5.6301



22.3809, 37.6719, 98.8104



60.4078, 37.6719, 61.3539

Complementary

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



31.1405, 37.6719, 5.6301



7.3641, 2.9474, 38.7113

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.



52.5209, 37.6719, 103.7407



31.1405, 37.6719, 5.6301



29.9821, 37.6719, 131.9334

Square

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



31.1405, 37.6719, 5.6301



18.7716, 37.6719, 56.6567



40.9157, 37.6719, 134.0979



60.8980, 37.6719, 28.5601

Rectangle

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



31.1405, 37.6719, 5.6301



19.9174, 37.6719, 19.1574



40.9157, 37.6719, 134.0979



58.4697, 37.6719, 75.2429

Sweetspot

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



31.1414, 37.6737, 5.6309



61.9813, 69.9836, 41.3818



16.7959, 8.6588, 0.7865



13.6570, 15.5402, 8.3779



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.



31.1414, 37.6737, 5.6309



55.7621, 67.4638, 10.0828



18.3567, 31.0829, 5.0326



8.6580, 9.3278, 8.5575



23.4761, 28.3995, 4.2443



0.6545, 0.7908, 0.1181

Inverse Universe

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



7.3641, 2.9474, 38.7113



13.1810, 5.2743, 69.3252



11.1441, 4.8961, 38.8882



7.5831, 7.7594, 10.0507



5.5524, 2.2222, 29.1808



0.1558, 0.0625, 0.8118

Previews

White Background



This preview shows how the XYZ color 31.1405, 37.6719, 5.6301 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 31.1405, 37.6719, 5.6301 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 31.1405, 37.6719, 5.6301

Background



This preview shows how black text looks on a background with the XYZ color 31.1405, 37.6719, 5.6301.



This preview shows how white text looks on a background with the XYZ color 31.1405, 37.6719,

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

31.1405, 37.6719, 5.6301

Protanopia

33.8859, 37.7115, 5.4931

Deuteranopia

38.2558, 37.5984, 6.2182



Tritanopia

38.8049, 37.5603, 43.7327

Trichromacy



Original Color

31.1405, 37.6719, 5.6301

Protanomaly

32.8250, 37.7086, 5.5484

Deuteranomaly

35.2696, 37.3505, 5.8808

Tritanomaly

33.9890, 36.6456, 19.7499

Monochromacy



Original Color

31.1405, 37.6719, 5.6301

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.4387, 32.5673, 15.8536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1405, 37.6719, 5.6301 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(170, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 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(170, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.1405, 37.6719, 5.6301 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(170, 171, 0) }
```


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

```
.border{ border-color:rgb(170, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1405, 37.6719, 5.6301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 0) }
```

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

```
.background{ background-color: rgb(170,  
171, 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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