

Converting Colors

XYZ(30.4344, 37.3865, 5.7626)

Have a look what the booklet for
XYZ(30.4344, 37.3865, 5.7626)
contains.

XYZ(30.3162, 37.2438, 5.7345)	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(30.3162, 37.2438,
5.7345)**

Conversions

Conversions Part 1

Format	Color
Hex	A6AB05
RGB	166, 171, 5
RGB Percent	65%, 67%, 2%
CMY	0.3490, 0.3294, 0.9803
CMYK	0.03, 0.00, 0.97, 0.33
HSL	62°, 94%, 35%
HSV	62°, 97%, 67%
XYZ	30.3162, 37.2438, 5.7345
YIQ	150.5810, 50.3060, -52.6860

Conversions

Conversions Part 2

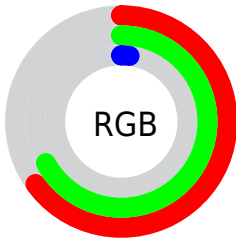
Format	Color
RYB	5, 171, 10
Decimal	10922757
CIELab	67.46, -18.12, 68.93
CIELCh	67, 71.269, 104.725
Yxy	37.2438, 0.4136, 0.5081
Android (android.graphics.Color)	4289112837 (0xFFA6AB05)
YUV	150.5810, -71.7714, 13.5225
Hunter-Lab	61.0277, -18.1266, 37.1482

Details

The XYZ color **30.3162, 37.2438, 5.7345** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.5310, 3.1140, 38.7346**, and the grayscale version is **29.5197, 31.0570, 33.8211**.

A 20% lighter version of the original color is **59.6228, 70.9503, 17.7601**, and **12.9035, 16.4449, 2.4941** is the 20% darker color. If you saturate the color by 10%, you get **30.2579, 37.2182, 5.5891**, and if you desaturate by 10%, it is **30.5438, 37.3488, 6.3642**.

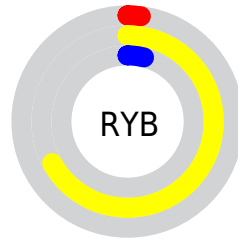
Distribution



Red (65%)

Green (67%)

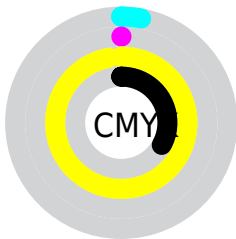
Blue (2%)



Red (2%)

Yellow (67%)

Blue (4%)

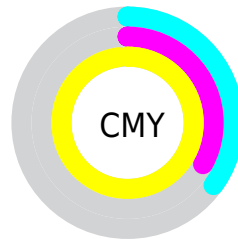


Cyan (3%)

Magenta (0%)

Yellow (97%)

Black (33%)



Cyan (35%)


Magenta (33%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3162, 37.2438, 5.7345 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 30.3162, 37.2438, 5.7345 by changing the saturation by 10% instead.


 30.3162, 37.2438,
5.7345


 30.3162, 37.2438,
5.7345


295.2590,
334.3648, 165.9006


 20.2280, 25.3963,
2.6182


 59.5451, 70.9476,
17.8453


 12.6701, 16.3726,
0.9018


 79.4164, 93.5727,
27.6769

 7.2772, 9.7882,
0.0000


 103.2796,
120.5591, 40.5840

 3.6839, 5.2587,
0.0000

 131.4998,
152.2912, 56.9851

 1.5249, 2.3999,
0.0000

 164.4425,
189.1535, 77.2988

 0.3427, 0.8258,
0.0000

 202.4730,

 0.0000, 0.0000,

231.5302, 101.9435

0.0000

245.9568,
279.8059, 131.3380

■ 30.3162, 37.2438,
5.7345

■ 30.3162, 37.2438,
5.7345

■ 30.2579, 37.2182,
5.5891

■ 30.5438, 37.3488,
6.3642

■ 30.8765, 37.4944,
7.5481

■ 31.3374, 37.6914,
9.4057

■ 31.9420, 37.9459,
12.0170

■ 32.7031, 38.2630,
15.4508

■ 33.6326, 38.6476,
19.7683

■ 34.7407, 39.1037,
25.0248

■ 36.0373, 39.6351,
31.2712

■ 37.5312, 40.2456,
38.5546

Harmonies

Analogous

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



41.2362, 37.2438, 5.7752



30.3162, 37.2438, 5.7345



22.5620, 37.2438, 11.0397

Triad

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



30.3162, 37.2438, 5.7345



22.4564, 37.2438, 99.4481



59.8207, 37.2438, 58.5875

Complementary

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



30.3162, 37.2438, 5.7345



7.5310, 3.1140, 38.7346

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.



52.3643, 37.2438, 100.1936



30.3162, 37.2438, 5.7345



30.1406, 37.2438, 130.8716

Square

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



30.3162, 37.2438, 5.7345



18.7009, 37.2438, 57.8765



41.0206, 37.2438, 131.1988



59.8948, 37.2438, 27.0839

Rectangle

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



30.3162, 37.2438, 5.7345



19.5790, 37.2438, 19.8827



41.0206, 37.2438, 131.1988



58.0357, 37.2438, 72.1021

Sweetspot

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



30.3170, 37.2455, 5.7353



61.6991, 69.8164, 42.3526



16.9076, 8.8384, 0.9589



13.5741, 15.4932, 8.5662



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.



30.3170, 37.2455, 5.7353



54.1528, 66.6342, 10.0075



18.3598, 31.0813, 5.1757



8.6384, 9.3177, 8.5566



22.8169, 28.0596, 4.2135



0.6420, 0.7843, 0.1176

Inverse Universe

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



7.5310, 3.1140, 38.7346



13.2485, 5.3091, 69.3284



11.6980, 5.2622, 38.9296



7.6004, 7.7683, 10.0515



5.5981, 2.2458, 29.1829



0.1628, 0.0661, 0.8122

Previews

White Background



This preview shows how the XYZ color 30.3162, 37.2438, 5.7345 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 30.3162, 37.2438, 5.7345 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 30.3162, 37.2438, 5.7345

Background



This preview shows how black text looks on a background with the XYZ color 30.3162, 37.2438, 5.7345.



This preview shows how white text looks on a background with the XYZ color 30.3162, 37.2438,

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

30.3162, 37.2438, 5.7345

Protanopia

33.4627, 37.2246, 5.4214

Deuteranopia

37.8184, 37.1215, 6.2088



Tritanopia

38.1089, 37.2015, 43.7001

Trichromacy



Original Color

30.3162, 37.2438, 5.7345

Protanomaly

32.1898, 37.1068, 5.5232

Deuteranomaly

34.6006, 36.7432, 5.8846

Tritanomaly

33.4220, 36.3408, 20.2919

Monochromacy



Original Color

30.3162, 37.2438, 5.7345

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.1418, 32.4035, 16.3265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3162, 37.2438, 5.7345 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(166, 171, 5)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 5)  
}
```

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(166, 171, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 5) }
```

Border

The CSS property to change the border of an element to XYZ 30.3162, 37.2438, 5.7345 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(166, 171, 5) }
```


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

```
.border{ border-color:rgb(166, 171, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 5);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3162, 37.2438, 5.7345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 5) }
```

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

```
.background{ background-color: rgb(166,  
171, 5) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor