

Converting Colors

XYZ(30.5921, 37.3290, 8.4325)

Have a look what the booklet for
XYZ(30.5921, 37.3290, 8.4325)
contains.

XYZ(30.6135, 37.3386, 8.3899)	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(30.6135, 37.3386,
8.3899)**

Conversions

Conversions Part 1

Format	Color
Hex	A5AB30
RGB	165, 171, 48
RGB Percent	65%, 67%, 19%
CMY	0.3529, 0.3294, 0.8117
CMYK	0.04, 0.00, 0.72, 0.33
HSL	63°, 56%, 43%
HSV	63°, 72%, 67%
XYZ	30.6135, 37.3386, 8.3899
YIQ	155.1840, 35.9070, -39.5250

Conversions

Conversions Part 2

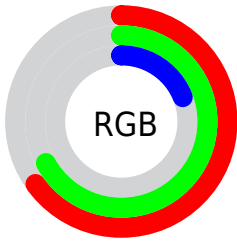
Format	Color
RYB	48, 171, 54
Decimal	10857264
CIELab	67.53, -17.31, 58.91
CIELCh	68, 61.401, 106.372
Yxy	37.3386, 0.4010, 0.4891
Android (android.graphics.Color)	4289047344 (0xFFA5AB30)
YUV	155.1840, -52.8417, 8.6086
Hunter-Lab	61.1053, -17.5066, 34.6331

Details

The XYZ color **30.6135, 37.3386, 8.3899** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.9301, 5.8393, 39.1341**, and the grayscale version is **31.4539, 33.0920, 36.0372**.

A 20% lighter version of the original color is **60.0760, 71.0600, 23.3816**, and **13.0272, 16.5086, 2.4999** is the 20% darker color. If you saturate the color by 10%, you get **30.1537, 37.1361, 6.8684**, and if you desaturate by 10%, it is **31.2122, 37.5996, 10.6294**.

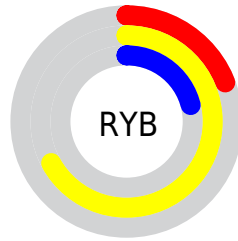
Distribution



Red (65%)

Green (67%)

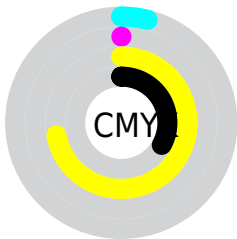
Blue (19%)



Red (19%)

Yellow (67%)

Blue (21%)

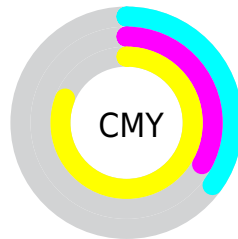


Cyan (4%)

Magenta (0%)

Yellow (72%)

Black (33%)



Cyan (35%)


Magenta (33%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6135, 37.3386, 8.3899 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 30.6135, 37.3386, 8.3899 by changing the saturation by 10% instead.


 30.6135, 37.3386,
8.3899


 30.6135, 37.3386,
8.3899


296.6125,
334.7742, 188.8063


 20.4551, 25.4698,
4.2541


 60.0110, 71.0932,
23.2780

 12.8365, 16.4274,
1.7658

 79.9809, 93.7478,
34.8674


 7.3923, 9.8271,
0.4052


 103.9519,
120.7665, 49.7784

 3.7571, 5.2845,
0.0000

 132.2895,
152.5336, 68.4295

 1.5657, 2.4151,
0.0000

 165.3590,
189.4335, 91.2393

 0.3699, 0.8336,
0.0000

 203.5258,

 0.0000, 0.0000,

231.8506, 118.6264

0.0000

247.1552,
280.1694, 151.0092

■ 30.6135, 37.3386,
8.3899

■ 30.6135, 37.3386,
8.3899

■ 30.1537, 37.1361,
6.8684

■ 31.2122, 37.5996,
10.6294

■ 29.8136, 36.9802,
5.9751

■ 31.9612, 37.9195,
13.6584

■ 29.5977, 36.8779,
5.5582

■ 32.8737, 38.3048,
17.5422

■ 33.9606, 38.7601,
22.3388

■ 35.2321, 39.2894,
28.1011

■ 36.6974, 39.8963,
34.8779

■ 38.3651, 40.5843,
42.7148

■ 40.2433, 41.3566,
51.6546

■ 42.3399, 42.2164,
61.7376

Harmonies

Analogous

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



39.9415, 37.3386, 8.1669



30.6135, 37.3386, 8.3899



23.9024, 37.3386, 14.2963

Triad

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



30.6135, 37.3386, 8.3899



24.3778, 37.3386, 91.1044



56.2208, 37.3386, 54.1796

Complementary

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



30.6135, 37.3386, 8.3899



9.9301, 5.8393, 39.1341

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.



50.3206, 37.3386, 88.1229



30.6135, 37.3386, 8.3899



31.3807, 37.3386, 115.0214

Square

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



30.6135, 37.3386, 8.3899



20.7636, 37.3386, 57.1443



40.8570, 37.3386, 113.7373



55.9156, 37.3386, 27.6892

Rectangle

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



30.6135, 37.3386, 8.3899



21.3183, 37.3386, 23.1725



40.8570, 37.3386, 113.7373



54.8581, 37.3386, 65.2611

Sweetspot

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



30.6144, 37.3403, 8.3907



62.9826, 70.3143, 49.8095



18.5619, 11.3372, 4.0068



13.9060, 15.6225, 10.4718



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.



30.6144, 37.3403, 8.3907



53.6355, 66.3389, 11.2782



20.9707, 32.3689, 7.9394



8.6235, 9.3100, 8.5559



22.3241, 27.8056, 4.1904



0.6325, 0.7795, 0.1171

Inverse Universe

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



9.9301, 5.8393, 39.1341



14.5459, 6.7076, 69.5299



15.2964, 8.6057, 39.3853



7.6137, 7.7752, 10.0522



5.6333, 2.2639, 29.1846



0.1682, 0.0689, 0.8124

Previews

White Background



This preview shows how the XYZ color 30.6135, 37.3386, 8.3899 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 30.6135, 37.3386, 8.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

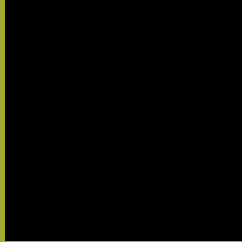
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6135, 37.3386, 8.3899

Background



This preview shows how black text looks on a background with the XYZ color 30.6135, 37.3386, 8.3899.



This preview shows how white text looks on a background with the XYZ color 30.6135, 37.3386,

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

30.6135, 37.3386, 8.3899

Protanopia

33.7154, 37.2979, 8.0070

Deuteranopia

38.0079, 37.1651, 8.6604



Tritanopia

37.9217, 37.3503, 44.2404

Trichromacy



Original Color

30.6135, 37.3386, 8.3899

Protanomaly

32.4633, 37.1898, 8.1567

Deuteranomaly

34.8506, 36.8140, 8.5178

Tritanomaly

34.1195, 36.8539, 25.3939

Monochromacy



Original Color

30.6135, 37.3386, 8.3899

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.1953, 34.1216, 21.5177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6135, 37.3386, 8.3899 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(165, 171, 48)` looks like.

```
.text, #text, p{  
    color:rgb(165, 171, 48)  
}
```

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(165, 171, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 171, 48) }
```

Border

The CSS property to change the border of an element to XYZ 30.6135, 37.3386, 8.3899 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(165, 171, 48) }
```


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

```
.border{ border-color:rgb(165, 171, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 171, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 171, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 171, 48);  
box-shadow:4px 4px 4px 4px rgb(165, 171,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6135, 37.3386, 8.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 171, 48) }
```

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

```
.background{ background-color: rgb(165,  
171, 48) }
```

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