

Converting Colors

XYZ(30.9422, 36.6742, 5.9353)

Have a look what the booklet for
XYZ(30.9422, 36.6742, 5.9353)
contains.

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Color

**XYZ(30.8907, 36.7006,
5.9460)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA810
RGB	171, 168, 16
RGB Percent	67%, 66%, 6%
CMY	0.3294, 0.3412, 0.9372
CMYK	0.00, 0.02, 0.91, 0.33
HSL	59°, 83%, 37%
HSV	59°, 91%, 67%
XYZ	30.8907, 36.7006, 5.9460
YIQ	151.5690, 50.5800, -46.6360

Conversions

Conversions Part 2

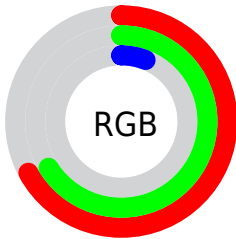
Format	Color
RYB	19, 171, 16
Decimal	11249680
CIELab	67.05, -14.21, 67.31
CIELCh	67, 68.798, 101.923
Yxy	36.7006, 0.4201, 0.4991
Android (android.graphics.Color)	4289439760 (0xFFABA810)
YUV	151.5690, -66.8355, 17.0410
Hunter-Lab	60.5810, -14.9983, 36.5874

Details

The XYZ color **30.8907, 36.7006, 5.9460** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.7974, 3.5164, 38.7954**, and the grayscale version is **29.9240, 31.4824, 34.2843**.

A 20% lighter version of the original color is **60.5438, 70.2075, 18.3431**, and **13.1848, 16.0682, 2.4066** is the 20% darker color. If you saturate the color by 10%, you get **30.7409, 36.5508, 5.4348**, and if you desaturate by 10%, it is **31.1351, 36.8975, 6.9279**.

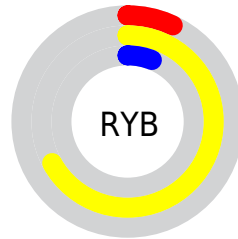
Distribution



Red (67%)

Green (66%)

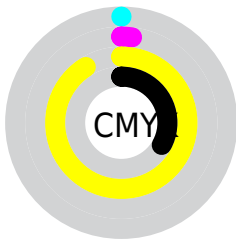
Blue (6%)



Red (7%)

Yellow (67%)

Blue (6%)

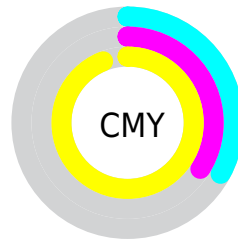


Cyan (0%)

Magenta (2%)

Yellow (91%)

Black (33%)



Cyan (33%)


Magenta (34%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8907, 36.7006, 5.9460 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 30.8907, 36.7006, 5.9460 by changing the saturation by 10% instead.


 30.8907, 36.7006,
5.9460


 30.8907, 36.7006,
5.9460


297.8703,
332.0125, 167.8776

 20.6671, 24.9758,
2.7440


 60.4450, 70.1121,
18.2944

 12.9919, 16.0590,
0.9655


 80.5063, 92.5675,
28.2780


 7.4999, 9.5659,
0.0000


 104.5775,
119.3686, 41.3591

 3.8258, 5.1121,
0.0000

 133.0241,
150.8997, 57.9564

 1.6040, 2.3132,
0.0000

 166.2113,
187.5452, 78.4883

 0.3950, 0.7807,
0.0000

 204.5045,

 0.0000, 0.0000,

229.6896, 103.3735

0.0000

248.2691,
277.7172, 133.0304

■ 30.8907, 36.7006,
5.9460

■ 30.8907, 36.7006,
5.9460

■ 30.7409, 36.5508,
5.4348

■ 31.1351, 36.8975,
6.9279

■ 31.5005, 37.1416,
8.5503

■ 32.0041, 37.4412,
10.8993

■ 32.6595, 37.8019,
14.0473

■ 33.4789, 38.2283,
18.0578

■ 34.4731, 38.7250,
22.9881

■ 35.6521, 39.2958,
28.8906

■ 37.0250, 39.9444,
35.8136

■ 38.6004, 40.6743,
43.8022

Harmonies

Analogous

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



41.5031, 36.7006, 6.4069



30.8907, 36.7006, 5.9460



23.0971, 36.7006, 10.5994

Triad

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



30.8907, 36.7006, 5.9460



21.9565, 36.7006, 92.1192



57.7076, 36.7006, 60.6307

Complementary

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



30.8907, 36.7006, 5.9460



7.7974, 3.5164, 38.7954

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.



50.1193, 36.7006, 99.9630



30.8907, 36.7006, 5.9460



29.0069, 36.7006, 123.5331

Square

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



30.8907, 36.7006, 5.9460



18.6732, 36.7006, 53.0802



39.2049, 36.7006, 126.9610



58.4929, 36.7006, 29.2034

Rectangle

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



30.8907, 36.7006, 5.9460



19.9768, 36.7006, 18.5195



39.2049, 36.7006, 126.9610



55.8067, 36.7006, 73.6629

Sweetspot

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



30.8915, 36.7023, 5.9467



62.3709, 69.6636, 44.3185



17.1169, 9.0835, 1.5693



13.7622, 15.4635, 9.1510



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.



30.8915, 36.7023, 5.9467



55.0367, 65.4229, 9.7271



19.7661, 31.7971, 5.5863



8.6492, 9.3032, 8.5532



23.1791, 27.5636, 4.0986



0.6489, 0.7749, 0.1154

Inverse Universe

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



7.7974, 3.5164, 38.7954



13.2112, 5.3589, 69.3399



11.5927, 5.4024, 38.9594



7.5909, 7.7811, 10.0545



5.5729, 2.2796, 29.1908



0.1590, 0.0713, 0.8134

Previews

White Background



This preview shows how the XYZ color 30.8907, 36.7006, 5.9460 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 30.8907, 36.7006, 5.9460 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 30.8907, 36.7006, 5.9460

Background



This preview shows how black text looks on a background with the XYZ color 30.8907, 36.7006, 5.9460.



This preview shows how white text looks on a background with the XYZ color 30.8907, 36.7006,

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

30.8907, 36.7006, 5.9460

Protanopia

33.1219, 36.7730, 5.7676

Deuteranopia

37.3967, 36.6532, 6.2662



Tritanopia

38.2478, 36.5492, 42.0846

Trichromacy



Original Color

30.8907, 36.7006, 5.9460

Protanomaly

32.1318, 36.5285, 5.8091

Deuteranomaly

34.7280, 36.5450, 6.0877

Tritanomaly

33.9115, 35.7988, 20.7453

Monochromacy



Original Color

30.8907, 36.7006, 5.9460

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.9731, 32.8039, 17.6367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8907, 36.7006, 5.9460 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, 168, 16)` looks like.

```
.text, #text, p{  
    color:rgb(171, 168, 16)  
}
```

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, 168, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 168, 16) }
```

Border

The CSS property to change the border of an element to XYZ 30.8907, 36.7006, 5.9460 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, 168, 16) }
```


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

```
.border{ border-color:rgb(171, 168, 16) }
```

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

Here you see how a box with a 4 pixel rgb(171, 168, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 168, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 168, 16);  
box-shadow:4px 4px 4px 4px rgb(171, 168,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8907, 36.7006, 5.9460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 168, 16) }
```

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

```
.background{ background-color: rgb(171,  
168, 16) }
```

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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