

Converting Colors

XYZ(30.6245, 30.8266, 4.3360)

Have a look what the booklet for
XYZ(30.6245, 30.8266, 4.3360)
contains.

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Color

**XYZ(30.6189, 30.8156,
4.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9100
RGB	187, 145, 0
RGB Percent	73%, 57%, 0%
CMY	0.2667, 0.4314, 1.0000
CMYK	0.00, 0.22, 1.00, 0.27
HSL	47°, 100%, 37%
HSV	47°, 100%, 73%
XYZ	30.6189, 30.8156, 4.3342
YIQ	141.0280, 71.5770, -36.1910

Conversions

Conversions Part 2

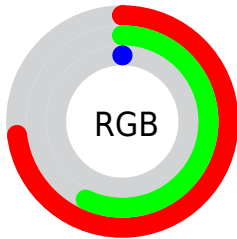
Format	Color
RYB	54, 187, 0
Decimal	12292352
CIELab	62.35, 5.03, 66.80
CIELCh	62, 66.990, 85.690
Yxy	30.8156, 0.4656, 0.4685
Android (android.graphics.Color)	4290482432 (0xFFBB9100)
YUV	141.0280, -69.5268, 40.3174
Hunter-Lab	55.5118, 1.3104, 34.2291

Details

The XYZ color **30.6189, 30.8156, 4.3342** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.7978, 5.2442, 47.5091**, and the grayscale version is **25.5742, 26.9061, 29.3007**.

A 20% lighter version of the original color is **60.0752, 60.8125, 14.7026**, and **13.1455, 12.8515, 1.7878** is the 20% darker color. If you saturate the color by 10%, you get **30.6191, 30.8163, 4.3343**, and if you desaturate by 10%, it is **31.3883, 32.1705, 5.1584**.

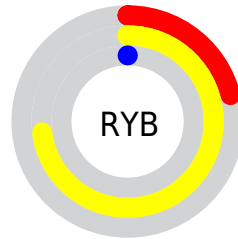
Distribution



Red (73%)

Green (57%)

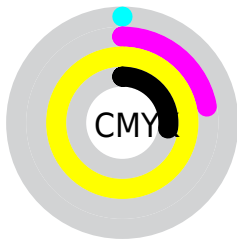
Blue (0%)



Red (21%)

Yellow (73%)

Blue (0%)

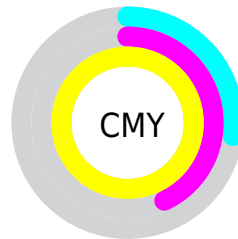


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6189, 30.8156, 4.3342 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 30.6189, 30.8156, 4.3342 by changing the saturation by 10% instead.


 30.6189, 30.8156,
4.3342


 30.6189, 30.8156,
4.3342


296.6371,
305.6879, 151.8706

 20.4592, 20.4585,
1.8104


 60.0195, 60.9496,
14.7735


 12.8395, 12.7287,
0.4348

 79.9911, 81.4953,
23.5260


 7.3943, 7.2420,
0.0000


 103.9641,
106.2060, 35.1920

 3.7584, 3.6139,
0.0000

 132.3039,
135.4661, 50.1897

 1.5664, 1.4600,
0.0000

 165.3757,
169.6599, 68.9380

 0.3704, 0.2603,
0.0000

 203.5449,

 0.0000, 0.0000,

209.1719, 91.8551

0.0000

247.1769,
254.3864, 119.3598

30.6189, 30.8156,
4.3342

30.6189, 30.8156,
4.3342

30.6191, 30.8163,
4.3343

31.3883, 32.1705,
5.1584

32.2913, 33.6160,
6.5709

33.3693, 35.1702,
8.7854

34.6427, 36.8417,
11.9080

36.1287, 38.6378,
16.0286

■ 37.8425, 40.5649,
21.2261

■ 39.7980, 42.6289,
27.5716

■ 42.0076, 44.8352,
35.1300

■ 44.4829, 47.1888,
43.9615

Harmonies

Analogous

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



40.2532, 30.8156, 6.9048



30.6189, 30.8156, 4.3342



22.3648, 30.8156, 5.6779

Triad

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



30.6189, 30.8156, 4.3342



16.2230, 30.8156, 60.1765



46.1735, 30.8156, 70.2873

Complementary

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



30.6189, 30.8156, 4.3342



9.7978, 5.2442, 47.5091

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.



37.5132, 30.8156, 101.6315



30.6189, 30.8156, 4.3342



20.5223, 30.8156, 93.9781

Square

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



30.6189, 30.8156, 4.3342



15.1203, 30.8156, 29.9394



27.9988, 30.8156, 111.9988



50.3338, 30.8156, 37.4462

Rectangle

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



30.6189, 30.8156, 4.3342



18.5039, 30.8156, 9.3682



27.9988, 30.8156, 111.9988



43.6152, 30.8156, 81.8953

Sweetspot

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



30.6196, 30.8171, 4.3348



71.0963, 76.1616, 48.7732



20.9414, 10.7441, 3.3178



15.3200, 16.4216, 9.6333



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.6196, 30.8171, 4.3348



54.6540, 54.8219, 7.7011



28.1090, 40.8702, 6.4076



10.1356, 10.7471, 10.1168



21.1529, 21.3446, 3.0050



0.8742, 0.9272, 0.1329

Inverse Universe

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



9.7978, 5.2442, 47.5091



17.4027, 9.1020, 85.0410



10.2789, 4.2630, 47.2944



9.1857, 9.5637, 12.0340



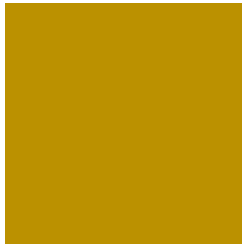
6.7962, 3.7041, 32.7497



0.3167, 0.2460, 1.2997

Previews

White Background



This preview shows how the XYZ color 30.6189, 30.8156, 4.3342 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 30.6189, 30.8156, 4.3342 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 30.6189, 30.8156, 4.3342

Background



This preview shows how black text looks on a background with the XYZ color 30.6189, 30.8156, 4.3342.



This preview shows how white text looks on a background with the XYZ color 30.6189, 30.8156,

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

30.6189, 30.8156, 4.3342

Protanopia

27.6935, 30.6990, 4.7243

Deuteranopia

31.3576, 30.7410, 4.5393



Tritanopia

36.0229, 30.8416, 30.8425

Trichromacy



Original Color

30.6189, 30.8156, 4.3342

Protanomaly

28.6848, 30.7381, 4.5935

Deuteranomaly

31.2413, 30.9068, 4.4913

Tritanomaly

32.6502, 30.3143, 14.2556

Monochromacy



Original Color

30.6189, 30.8156, 4.3342

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.6190, 27.3533, 13.6023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6189, 30.8156, 4.3342 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(187, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 145, 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(187, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.6189, 30.8156, 4.3342 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(187, 145, 0) }
```


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

```
.border{ border-color:rgb(187, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 145,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6189, 30.8156, 4.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 145, 0) }
```

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

```
.background{ background-color: rgb(187,  
145, 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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