

Converting Colors

XYZ(30.2430, 32.5292, 3.9857)

Have a look what the booklet for
XYZ(30.2430, 32.5292, 3.9857)
contains.

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Color

**XYZ(30.4473, 32.6062,
4.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	B59900
RGB	181, 153, 0
RGB Percent	71%, 60%, 0%
CMY	0.2902, 0.4000, 0.9999
CMYK	0.00, 0.15, 1.00, 0.29
HSL	51°, 100%, 35%
HSV	51°, 100%, 71%
XYZ	30.4473, 32.6062, 4.6889
YIQ	143.9300, 65.8010, -41.6470

Conversions

Conversions Part 2

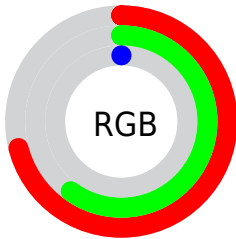
Format	Color
R _Y B	33, 181, 0
Decimal	11901184
CIE Lab	63.84, -2.03, 67.55
CIE LCh	64, 67.584, 91.717
Yxy	32.6062, 0.4495, 0.4813
Android (android.graphics.Color)	4290091264 (0xFFB59900)
YUV	143.9300, -70.9575, 32.5104
Hunter-Lab	57.1018, -4.7501, 35.1027

Details

The XYZ color **30.4473, 32.6062, 4.6889** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.7561, 4.1672, 44.0586**, and the grayscale version is **26.7407, 28.1333, 30.6371**.

A 20% lighter version of the original color is **59.8245, 63.8208, 15.6441**, and **13.0186, 13.9114, 1.9990** is the 20% darker color. If you saturate the color by 10%, you get **30.4476, 32.6071, 4.6890**, and if you desaturate by 10%, it is **31.0217, 33.5791, 5.4236**.

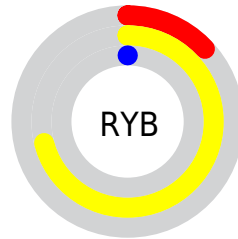
Distribution



Red (71%)

Green (60%)

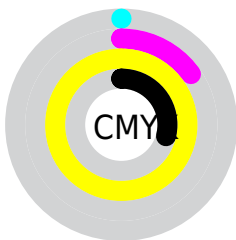
Blue (0%)



Red (13%)

Yellow (71%)

Blue (0%)

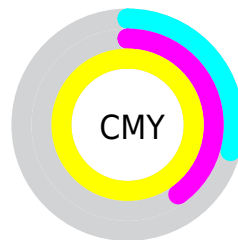


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4473, 32.6062, 4.6889 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 30.4473, 32.6062, 4.6889 by changing the saturation by 10% instead.

■ 30.4473, 32.6062,
4.6889

■ 30.4473, 32.6062,
4.6889

295.8564,
313.8715, 155.5997

■ 20.3281, 21.8249,
2.0104

■ 59.7506, 63.7602,
15.5698

■ 12.7434, 13.7283,
0.5617

■ 79.6655, 84.9018,
24.6092

■ 7.3279, 7.9320,
0.0000

■ 103.5762,
110.2655, 36.6060

■ 3.7161, 4.0514,
0.0000

■ 131.8483,
140.2359, 51.9787

■ 1.5428, 1.7024,
0.0000

■ 164.8470,
175.1973, 71.1459

■ 0.3547, 0.4252,
0.0000

■ 202.9377,

■ 0.0000, 0.0000,

215.5341, 94.5261

0.0000

246.4857,
261.6307, 122.5379

30.4473, 32.6062,
4.6889

30.4473, 32.6062,
4.6889

30.4476, 32.6071,
4.6890

31.0217, 33.5791,
5.4236

31.7078, 34.6127,
6.6960

32.5447, 35.7241,
8.7089

33.5511, 36.9208,
11.5600

34.7426, 38.2093,
15.3318

■ 36.1333, 39.5951,
20.0973

■ 37.7355, 41.0835,
25.9219

■ 39.5608, 42.6790,
32.8654

■ 41.6196, 44.3861,
40.9834

Harmonies

Analogous

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



40.4726, 32.6062, 6.4938



30.4473, 32.6062, 4.6889



22.3491, 32.6062, 7.0119

Triad

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



30.4473, 32.6062, 4.6889



17.9096, 32.6062, 70.6999



50.0112, 32.6062, 66.4904

Complementary

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



30.4473, 32.6062, 4.6889



8.7561, 4.1672, 44.0586

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.



41.6154, 32.6062, 101.1482



30.4473, 32.6062, 4.6889



23.1199, 32.6062, 104.3301

Square

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



30.4473, 32.6062, 4.6889



16.0888, 32.6062, 37.0927



31.5416, 32.6062, 117.6166



53.0586, 32.6062, 33.9586

Rectangle

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



30.4473, 32.6062, 4.6889



18.7547, 32.6062, 11.9609



31.5416, 32.6062, 117.6166



47.6465, 32.6062, 78.7529

Sweetspot

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



30.4480, 32.6078, 4.6895



67.4285, 73.4400, 45.8477



19.2927, 9.9186, 2.1379



14.3081, 15.6301, 8.9323



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.4480, 32.6078, 4.6895



54.3946, 58.1253, 8.3524



24.3629, 37.0888, 5.8752



9.0829, 9.6783, 9.0419



21.0312, 22.5610, 3.2462



0.6918, 0.7701, 0.1122

Inverse Universe

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



8.7561, 4.1672, 44.0586



15.5773, 7.2543, 78.8738



10.2248, 4.3078, 44.0083



8.1446, 8.4354, 10.7053



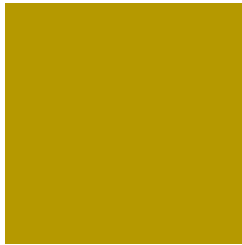
6.0696, 2.9395, 30.3845



0.2237, 0.1580, 0.9669

Previews

White Background



This preview shows how the XYZ color 30.4473, 32.6062, 4.6889 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 30.4473, 32.6062, 4.6889 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 30.4473, 32.6062, 4.6889

Background



This preview shows how black text looks on a background with the XYZ color 30.4473, 32.6062, 4.6889.

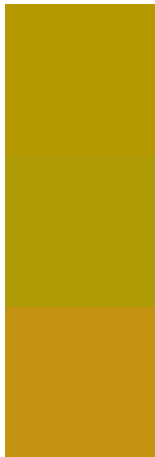


This preview shows how white text looks on a background with the XYZ color 30.4473, 32.6062,

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

30.4473, 32.6062, 4.6889

Protanopia

29.4334, 32.5698, 4.9076

Deuteranopia

33.2998, 32.6437, 5.0761



Tritanopia

36.4090, 32.4647, 34.4843

Trichromacy



Original Color

30.4473, 32.6062, 4.6889

Protanomaly

29.7090, 32.4671, 4.8158

Deuteranomaly

32.2937, 32.5954, 4.9061

Tritanomaly

32.6863, 31.8599, 15.7361

Monochromacy



Original Color

30.4473, 32.6062, 4.6889

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.2701, 28.8082, 14.3012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4473, 32.6062, 4.6889 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(181, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 153, 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(181, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.4473, 32.6062, 4.6889 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(181, 153, 0) }
```


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

```
.border{ border-color:rgb(181, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4473, 32.6062, 4.6889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 153, 0) }
```

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

```
.background{ background-color: rgb(181,  
153, 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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