

Converting Colors

XYZ(30.5093, 31.8166, 4.5332)

Have a look what the booklet for
XYZ(30.5093, 31.8166, 4.5332)
contains.

XYZ(30.6735, 32.0030, 4.5605)	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(30.6735, 32.0030,
4.5605)**

Conversions

Conversions Part 1

Format	Color
Hex	B89600
RGB	184, 150, 0
RGB Percent	72%, 59%, 0%
CMY	0.2784, 0.4117, 1.0000
CMYK	0.00, 0.18, 1.00, 0.28
HSL	49°, 100%, 36%
HSV	49°, 100%, 72%
XYZ	30.6735, 32.0030, 4.5605
YIQ	143.0660, 68.4140, -39.4420

Conversions

Conversions Part 2

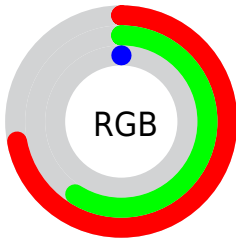
Format	Color
RYB	42, 184, 0
Decimal	12097024
CIELab	63.35, 0.96, 67.35
CIELCh	63, 67.352, 89.187
Yxy	32.0030, 0.4562, 0.4760
Android (android.graphics.Color)	4290287104 (0xFFB89600)
YUV	143.0660, -70.5315, 35.8991
Hunter-Lab	56.5712, -2.2150, 34.8202

Details

The XYZ color **30.6735, 32.0030, 4.5605** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.2240, 4.6051, 45.7498**, and the grayscale version is **26.3899, 27.7642, 30.2352**.

A 20% lighter version of the original color is **60.1037, 62.8999, 15.2764**, and **13.1614, 13.5500, 1.9217** is the 20% darker color. If you saturate the color by 10%, you get **30.6738, 32.0039, 4.5607**, and if you desaturate by 10%, it is **31.3372, 33.1504, 5.3371**.

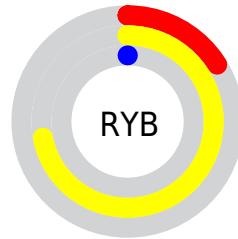
Distribution



Red (72%)

Green (59%)

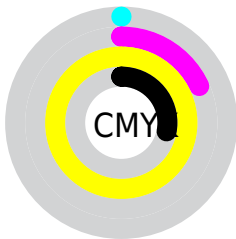
Blue (0%)



Red (16%)

Yellow (72%)

Blue (0%)

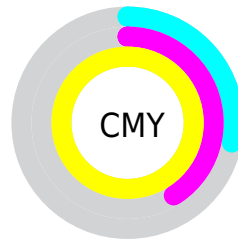


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6735, 32.0030, 4.5605 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 30.6735, 32.0030, 4.5605 by changing the saturation by 10% instead.

■ 30.6735, 32.0030,
4.5605

■ 30.6735, 32.0030,
4.5605

296.8851,
311.1329, 154.2653

■ 20.5010, 21.3638,
1.9376

■ 60.1050, 62.8158,
15.2831

■ 12.8701, 13.3902,
0.5165

■ 80.0947, 83.7582,
24.2199

■ 7.4155, 7.6978,
0.0000

■ 104.0875,
108.9037, 36.0984

■ 3.7719, 3.9022,
0.0000

■ 132.4487,
138.6368, 51.3371

■ 1.5739, 1.6190,
0.0000

■ 165.5437,
173.3419, 70.3546


■ 0.3753, 0.3704,
0.0000


■ 203.7379,


■ 0.0000, 0.0000,


213.4034, 93.5695


0.0000


 247.3966,
259.2056, 121.4002


 30.6735, 32.0030,
4.5605


 30.6735, 32.0030,
4.5605


 30.6738, 32.0039,
4.5607

 31.3372, 33.1504,
5.3371

 32.1219, 34.3704,
6.6759

 33.0679, 35.6805,
8.7852

 34.1946, 37.0887,
11.7667

 35.5186, 38.6018,
15.7067

■ 37.0543, 40.2258,
20.6809

■ 38.8149, 41.9661,
26.7576

■ 40.8122, 43.8277,
33.9992

■ 43.0573, 45.8153,
42.4634

Harmonies

Analogous

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



40.5830, 32.0030, 6.6995



30.6735, 32.0030, 4.5605



22.4688, 32.0030, 6.4592

Triad

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



30.6735, 32.0030, 4.5605



17.2716, 32.0030, 66.4531



48.6098, 32.0030, 68.4166

Complementary

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



30.6735, 32.0030, 4.5605



9.2240, 4.6051, 45.7498

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.



40.0503, 32.0030, 101.8584



30.6735, 32.0030, 4.5605



22.1100, 32.0030, 100.3733

Square

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



30.6735, 32.0030, 4.5605



15.7549, 32.0030, 34.1209



30.1637, 32.0030, 115.7992



52.1576, 32.0030, 35.5809

Rectangle

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



30.6735, 32.0030, 4.5605



18.7431, 32.0030, 10.8706



30.1637, 32.0030, 115.7992



46.1472, 32.0030, 80.4696

Sweetspot

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



30.6742, 32.0046, 4.5611



70.1907, 75.9100, 47.8960



20.0981, 10.3229, 2.6678



14.8348, 16.0755, 9.2875



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.6742, 32.0046, 4.5611



55.4409, 57.6879, 8.2128



26.1638, 38.9325, 6.1361



9.6053, 10.2136, 9.5721



21.1882, 22.1528, 3.1592



0.7840, 0.8551, 0.1237

Inverse Universe

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



9.2240, 4.6051, 45.7498



16.5951, 8.0964, 82.8927



10.2388, 4.2790, 45.6334



8.6518, 8.9808, 11.3569



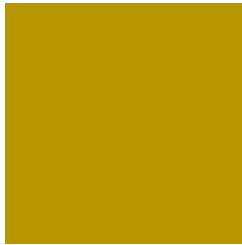
6.3957, 3.2511, 31.5435



0.2665, 0.1966, 1.1256

Previews

White Background



This preview shows how the XYZ color 30.6735, 32.0030, 4.5605 looks on a white background.

Color Contrast Check

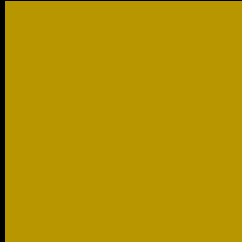
Large Text (above 18pt) WCAG AA × Fail

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 30.6735, 32.0030, 4.5605 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 30.6735, 32.0030, 4.5605

Background



This preview shows how black text looks on a background with the XYZ color 30.6735, 32.0030, 4.5605.

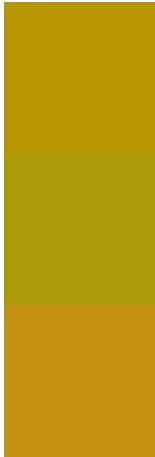


This preview shows how white text looks on a background with the XYZ color 30.6735, 32.0030,

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

30.6735, 32.0030, 4.5605

Protanopia

28.8330, 32.0130, 4.8892

Deuteranopia

32.6063, 32.0588, 4.8849



Tritanopia

36.4759, 31.8737, 33.0839

Trichromacy



Original Color

30.6735, 32.0030, 4.5605

Protanomaly

29.5501, 32.1405, 4.7899

Deuteranomaly

31.7182, 31.8343, 4.7313

Tritanomaly

32.8743, 31.2900, 15.1334

Monochromacy



Original Color

30.6735, 32.0030, 4.5605

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.2678, 28.5822, 14.0300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6735, 32.0030, 4.5605 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(184, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 150, 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(184, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 150, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.6735, 32.0030, 4.5605 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(184, 150, 0) }
```


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

```
.border{ border-color:rgb(184, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 150,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6735, 32.0030, 4.5605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 150, 0) }
```

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

```
.background{ background-color: rgb(184,  
150, 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](#).

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