

Converting Colors

XYZ(30.7427, 29.4967, 4.0731)

Have a look what the booklet for
XYZ(30.7427, 29.4967, 4.0731)
contains.

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Color

**XYZ(30.7185, 29.5416,
4.0831)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8B00
RGB	191, 139, 0
RGB Percent	75%, 55%, 0%
CMY	0.2510, 0.4549, 1.0000
CMYK	0.00, 0.27, 1.00, 0.25
HSL	44°, 100%, 37%
HSV	44°, 100%, 75%
XYZ	30.7185, 29.5416, 4.0831
YIQ	138.7020, 75.6110, -32.2050

Conversions

Conversions Part 2

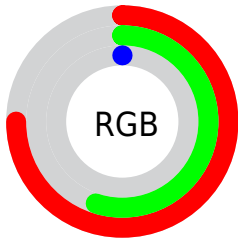
Format	Color
R_{YB}	71, 191, 0
Decimal	12552960
CIE Lab	61.26, 10.13, 66.26
CIE LCh	61, 67.027, 81.311
Yxy	29.5416, 0.4774, 0.4591
Android (android.graphics.Color)	4290743040 (0xFFBF8B00)
YUV	138.7020, -68.3801, 45.8653
Hunter-Lab	54.3522, 5.7674, 33.5925

Details

The XYZ color **30.7185, 29.5416, 4.0831** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.6323, 6.2182, 49.9297**, and the grayscale version is **24.6614, 25.9457, 28.2549**.

A 20% lighter version of the original color is **60.1319, 58.8497, 14.1511**, and **13.0881, 12.0503, 1.6361** is the 20% darker color. If you saturate the color by 10%, you get **30.7186, 29.5421, 4.0831**, and if you desaturate by 10%, it is **31.6086, 31.1324, 4.9643**.

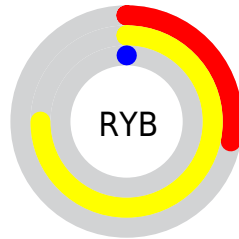
Distribution



Red (75%)

Green (55%)

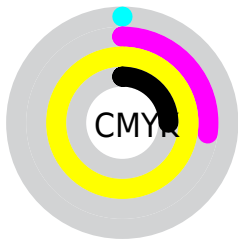
Blue (0%)



Red (28%)

Yellow (75%)

Blue (0%)

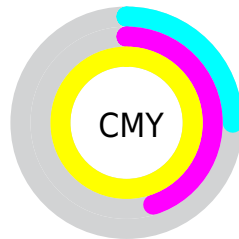


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7185, 29.5416, 4.0831 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 30.7185, 29.5416, 4.0831 by changing the saturation by 10% instead.


 30.7185, 29.5416,
4.0831


 30.7185, 29.5416,
4.0831


297.0894,
299.7619, 149.1446


 20.5354, 19.4909,
1.6710


 60.1755, 58.9365,
14.2010

 12.8953, 12.0255,
0.3408


 80.1800, 79.0495,
22.7439


 7.4330, 6.7611,
0.0000


 104.1891,
103.2853, 34.1674

 3.7831, 3.3131,
0.0000

 132.5680,
132.0285, 48.8902

 1.5802, 1.2973,
0.0000

 165.6821,
165.6633, 67.3308


 0.3794, 0.1391,
0.0000


 203.8968,


 0.0000, 0.0000,


204.5743, 89.9077


0.0000


 247.5775,
249.1456, 117.0395

 30.7185, 29.5416,
4.0831


 30.7185, 29.5416,
4.0831


 30.7186, 29.5421,
4.0831

 31.6086, 31.1324,
4.9643

 32.6506, 32.8408,
6.4698

 33.8877, 34.6861,
8.8208

 35.3415, 36.6776,
12.1296

 37.0305, 38.8236,
16.4909

■ 38.9709, 41.1311,
21.9879

■ 41.1773, 43.6067,
28.6957

■ 43.6632, 46.2566,
36.6826

■ 46.4410, 49.0863,
46.0122

Harmonies

Analogous

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



40.0663, 29.5416, 7.2018



30.7185, 29.5416, 4.0831



22.3562, 29.5416, 4.8215

Triad

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



30.7185, 29.5416, 4.0831



15.0596, 29.5416, 53.2371



43.5007, 29.5416, 73.0675

Complementary

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



30.7185, 29.5416, 4.0831



10.6323, 6.2182, 49.9297

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.



34.7021, 29.5416, 101.9242



30.7185, 29.5416, 4.0831



18.7575, 29.5416, 86.9034

Square

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



30.7185, 29.5416, 4.0831



14.4317, 29.5416, 25.3736



25.5941, 29.5416, 108.0019



48.3948, 29.5416, 40.0733

Rectangle

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



30.7185, 29.5416, 4.0831



18.3070, 29.5416, 7.7414



25.5941, 29.5416, 108.0019



40.8242, 29.5416, 84.1624

Sweetspot

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



30.7192, 29.5431, 4.0837



73.5479, 77.8801, 50.7647



22.1546, 11.3441, 4.5274



15.7691, 16.6793, 9.9715



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.7192, 29.5431, 4.0837



54.8050, 52.4851, 7.2421



31.1384, 43.7093, 6.7959



10.0966, 10.6692, 10.1039



20.2577, 19.5542, 2.7066



0.8452, 0.8693, 0.1232

Inverse Universe

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



10.6323, 6.2182, 49.9297



18.8699, 10.7917, 89.3676



10.3342, 4.2414, 49.5639



9.2222, 9.6367, 12.0462



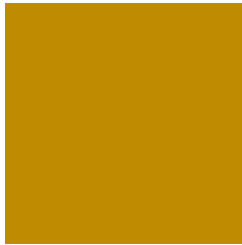
7.0455, 4.2028, 32.8328



0.3325, 0.2777, 1.3049

Previews

White Background



This preview shows how the XYZ color 30.7185, 29.5416, 4.0831 looks on a white background.

Color Contrast Check

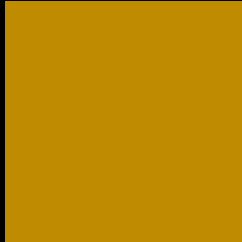
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7185, 29.5416, 4.0831 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 × Fail

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

XYZ 30.7185, 29.5416, 4.0831

Background



This preview shows how black text looks on a background with the XYZ color 30.7185, 29.5416, 4.0831.



This preview shows how white text looks on a background with the XYZ color 30.7185, 29.5416,

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

30.7185, 29.5416, 4.0831

Protanopia

26.7442, 29.7345, 4.6464

Deuteranopia

30.2639, 29.7411, 4.1455



Tritanopia

35.5364, 29.4349, 28.2346

Trichromacy



Original Color

30.7185, 29.5416, 4.0831

Protanomaly

28.0682, 29.4962, 4.4150

Deuteranomaly

30.3643, 29.5750, 4.1082

Tritanomaly

32.6547, 29.0817, 13.1248

Monochromacy



Original Color

30.7185, 29.5416, 4.0831

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.0946, 26.4389, 13.0131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7185, 29.5416, 4.0831 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(191, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 139, 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(191, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.7185, 29.5416, 4.0831 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(191, 139, 0) }
```


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

```
.border{ border-color:rgb(191, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 139,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7185, 29.5416, 4.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 139, 0) }
```

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

```
.background{ background-color: rgb(191,  
139, 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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