

Converting Colors

XYZ(29.6608, 30.1968, 0.0000)

Have a look what the booklet for
XYZ(29.6608, 30.1968, 0.0000)
contains.

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Color

**XYZ(30.4668, 30.5113,
4.2835)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BB9000 |
| RGB | 187, 144, 0 |
| RGB Percent | 73%, 56%, 0% |
| CMY | 0.2667, 0.4353, 1.0000 |
| CMYK | 0.00, 0.23, 1.00, 0.27 |
| HSL | 46°, 100%, 37% |
| HSV | 46°, 100%, 73% |
| XYZ | 30.4668, 30.5113, 4.2835 |
| YIQ | 140.4410, 71.8520, -35.6680 |

Conversions

Conversions Part 2

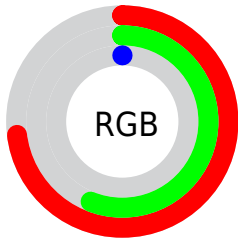
| Format | Color |
|-------------------------------------|---|
| RYB | 56, 187, 0 |
| Decimal | 12292096 |
| CIELab | 62.09, 5.58, 66.62 |
| CIELCh | 62, 66.855, 85.211 |
| Yxy | 30.5113, 0.4668, 0.4675 |
| Android (android.graphics.Color) | 4290482176 (0xFFBB9000) |
| YUV | 140.4410, -69.2374, 40.8322 |
| Hunter-Lab | 55.2370, 1.7895, 34.0681 |

Details

The XYZ color **30.4668, 30.5113, 4.2835** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.8338, 5.3161, 47.5212**, and the grayscale version is **25.3422, 26.6620, 29.0349**.

A 20% lighter version of the original color is **59.8474, 60.3568, 14.6266**, and **13.0560, 12.6725, 1.7579** is the 20% darker color. If you saturate the color by 10%, you get **30.4670, 30.5120, 4.2836**, and if you desaturate by 10%, it is **31.2463, 31.8863, 5.1111**.

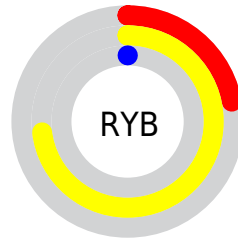
Distribution



Red (73%)

Green (56%)

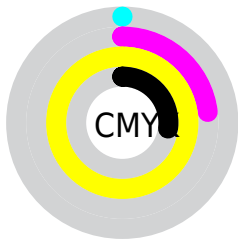
Blue (0%)



Red (22%)

Yellow (73%)

Blue (0%)

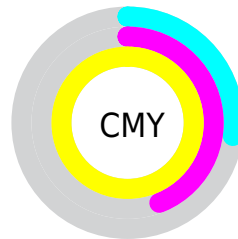


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4668, 30.5113, 4.2835 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 30.4668, 30.5113, 4.2835 by changing the saturation by 10% instead.


 30.4668, 30.5113,
4.2835


 30.4668, 30.5113,
4.2835


295.9452,
304.2805, 151.3262


 20.3430, 20.2270,
1.7821


 59.7812, 60.4698,
14.6585

 12.7543, 12.5602,
0.4161


 79.7025, 80.9129,
23.3692

 7.3354, 7.1264,
0.0000


 103.6203,
105.5109, 34.9867

 3.7209, 3.5413,
0.0000

 131.9001,
134.6484, 49.9297

 1.5455, 1.4204,
0.0000

 164.9071,
168.7097, 68.6166


 0.3565, 0.2317,
0.0000


 203.0067,


 0.0000, 0.0000,


208.0792, 91.4659


0.0000


 246.5643,
253.1414, 118.8963


 30.4668, 30.5113,
4.2835


 30.4668, 30.5113,
4.2835


 30.4670, 30.5120,
4.2836

 31.2463, 31.8863,
5.1111

 32.1604, 33.3541,
6.5273

 33.2507, 34.9329,
8.7459

 34.5375, 36.6312,
11.8730

 36.0381, 38.4564,
15.9985

■ 37.7677, 40.4151,
21.2013

■ 39.7401, 42.5130,
27.5525

■ 41.9678, 44.7555,
35.1171

■ 44.4625, 47.1479,
43.9550

Harmonies

Analogous

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



40.0185, 30.5113, 6.9001



30.4668, 30.5113, 4.2835



22.2450, 30.5113, 5.5501

Triad

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



30.4668, 30.5113, 4.2835



16.0075, 30.5113, 59.0733



45.6317, 30.5113, 70.2117

Complementary

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



30.4668, 30.5113, 4.2835



9.8338, 5.3161, 47.5212

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.



37.0005, 30.5113, 101.1214



30.4668, 30.5113, 4.2835



20.2161, 30.5113, 92.6894

Square

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



30.4668, 30.5113, 4.2835



14.9641, 30.5113, 29.2588



27.5812, 30.5113, 110.9620



49.8522, 30.5113, 37.5270

Rectangle

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



30.4668, 30.5113, 4.2835



18.3841, 30.5113, 9.1314



27.5812, 30.5113, 110.9620



43.0733, 30.5113, 81.7034

Sweetspot

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



30.4675, 30.5128, 4.2841



70.9907, 75.9505, 48.7381



20.9414, 10.7442, 3.3178



15.2938, 16.3694, 9.6246



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.



30.4675, 30.5128, 4.2841



54.3786, 54.2711, 7.6093



28.1091, 40.8703, 6.4076



10.1312, 10.7384, 10.1154



21.0488, 21.1365, 2.9704



0.8708, 0.9206, 0.1318

Inverse Universe

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



9.8338, 5.3161, 47.5212



17.4643, 9.2253, 85.0616



10.2790, 4.2630, 47.2945



9.1898, 9.5718, 12.0354



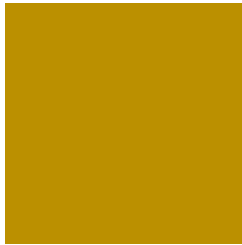
6.8218, 3.7552, 32.7582



0.3185, 0.2496, 1.3002

Previews

White Background



This preview shows how the XYZ color 30.4668, 30.5113, 4.2835 looks on a white background.

Color Contrast Check

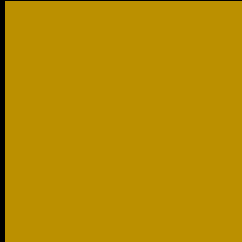
Large Text (above 18pt) WCAG AA × Fail

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 30.4668, 30.5113, 4.2835 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 30.4668, 30.5113, 4.2835

Background



This preview shows how black text looks on a background with the XYZ color 30.4668, 30.5113, 4.2835.



This preview shows how white text looks on a background with the XYZ color 30.4668, 30.5113,

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

30.4668, 30.5113, 4.2835

Protanopia

27.6935, 30.6990, 4.7243

Deuteranopia

31.1015, 30.6096, 4.4987



Tritanopia

35.8073, 30.5331, 30.3918

Trichromacy



Original Color

30.4668, 30.5113, 4.2835

Protanomaly

28.5273, 30.4231, 4.5410

Deuteranomaly

30.8361, 30.4747, 4.4005

Tritanomaly

32.5061, 30.0260, 14.2076

Monochromacy



Original Color

30.4668, 30.5113, 4.2835

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.2327, 26.9391, 13.3211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4668, 30.5113, 4.2835 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 144, 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, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.4668, 30.5113, 4.2835 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, 144, 0) }
```


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

```
.border{ border-color:rgb(187, 144, 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, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4668, 30.5113, 4.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 144, 0) }
```

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

```
.background{ background-color: rgb(187,  
144, 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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