

Converting Colors

XYZ(30.1591, 30.2037, 4.2403)

Have a look what the booklet for
XYZ(30.1591, 30.2037, 4.2403)
contains.

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Color

**XYZ(30.0722, 30.0840,
4.2218)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8F00
RGB	186, 143, 0
RGB Percent	73%, 56%, 0%
CMY	0.2706, 0.4392, 1.0000
CMYK	0.00, 0.23, 1.00, 0.27
HSL	46°, 100%, 36%
HSV	46°, 100%, 73%
XYZ	30.0722, 30.0840, 4.2218
YIQ	139.5550, 71.5310, -35.3570

Conversions

Conversions Part 2

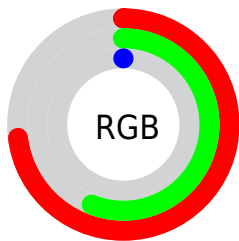
Format	Color
R_{YB}	56, 186, 0
Decimal	12226304
CIE Lab	61.73, 5.68, 66.32
CIE LCh	62, 66.561, 85.108
Yxy	30.0840, 0.4671, 0.4673
Android (android.graphics.Color)	4290416384 (0xFFBA8F00)
YUV	139.5550, -68.8006, 40.7323
Hunter-Lab	54.8489, 1.8813, 33.8306

Details

The XYZ color **30.0722, 30.0840, 4.2218** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.7271, 5.2734, 46.9593**, and the grayscale version is **24.9946, 26.2962, 28.6366**.

A 20% lighter version of the original color is **58.9157, 59.5406, 14.5182**, and **12.8164, 12.4179, 1.7214** is the 20% darker color. If you saturate the color by 10%, you get **30.0724, 30.0847, 4.2219**, and if you desaturate by 10%, it is **30.8450, 31.4471, 5.0430**.

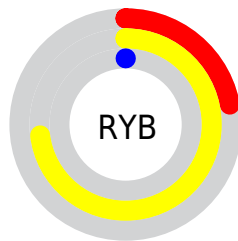
Distribution



Red (73%)

Green (56%)

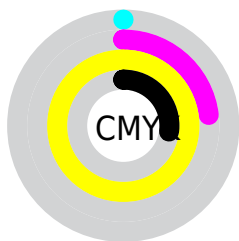
Blue (0%)



Red (22%)

Yellow (73%)

Blue (0%)

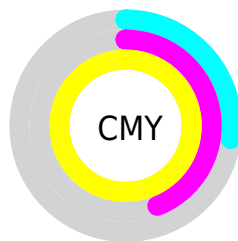


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0722, 30.0840, 4.2218 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 30.0722, 30.0840, 4.2218 by changing the saturation by 10% instead.

■ 30.0722, 30.0840,
4.2218

■ 30.0722, 30.0840,
4.2218

294.1446,
302.2958, 150.6597

■ 20.0417, 19.9024,
1.7478

■ 59.1622, 59.7950,
14.5181

■ 12.5338, 12.3241,
0.3932

■ 78.9524, 80.0931,
23.1776

■ 7.1831, 6.9648,
0.0000

■ 102.7266,
104.5322, 34.7359

■ 3.6242, 3.4401,
0.0000

■ 130.8502,
133.4967, 49.6116

■ 1.4918, 1.3656,
0.0000

■ 163.6884,
167.3708, 68.2233


■ 0.3203, 0.1911,
0.0000


■ 201.6066,


■ 0.0000, 0.0000,


206.5392, 90.9895


0.0000


 244.9703,
251.3860, 118.3288


 30.0722, 30.0840,
4.2218


 30.0722, 30.0840,
4.2218


 30.0724, 30.0847,
4.2219

 30.8450, 31.4471,
5.0430

 31.7510, 32.9022,
6.4450

 32.8312, 34.4675,
8.6397

 34.1057, 36.1514,
11.7317

 35.5916, 37.9611,
15.8097

■ 37.3040, 39.9030,
20.9517

■ 39.2563, 41.9831,
27.2278

■ 41.4611, 44.2065,
34.7020

■ 43.9297, 46.5784,
43.4337

Harmonies

Analogous

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



39.4929, 30.0840, 6.8171



30.0722, 30.0840, 4.2218



21.9550, 30.0840, 5.4572

Triad

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



30.0722, 30.0840, 4.2218



15.7715, 30.0840, 58.1381



44.9744, 30.0840, 69.3608

Complementary

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



30.0722, 30.0840, 4.2218



9.7271, 5.2734, 46.9593

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.



36.4521, 30.0840, 99.8108



30.0722, 30.0840, 4.2218



19.9109, 30.0840, 91.3148

Square

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



30.0722, 30.0840, 4.2218



14.7530, 30.0840, 28.7675



27.1649, 30.0840, 109.4230



49.1574, 30.0840, 37.0979

Rectangle

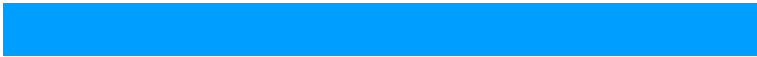
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0722, 30.0840, 4.2218



18.1400, 30.0840, 8.9730



27.1649, 30.0840, 109.4230



42.4464, 30.0840, 80.6911

Sweetspot

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



30.0729, 30.0855, 4.2224



70.9664, 75.9017, 48.7299



20.6933, 10.6167, 3.2835



15.2878, 16.3573, 9.6226



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.



30.0729, 30.0855, 4.2224



54.3154, 54.1446, 7.5882



27.7777, 40.3857, 6.3315



9.5694, 10.1418, 9.5601



20.2909, 20.3581, 2.8601



0.7589, 0.8049, 0.1154

Inverse Universe

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



9.7271, 5.2734, 46.9593



17.4788, 9.2542, 85.0664



10.1591, 4.2136, 46.7320



8.6851, 9.0474, 11.3680



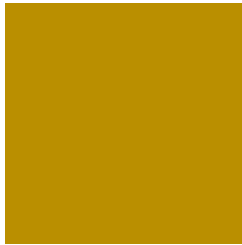
6.5923, 3.6443, 31.6090



0.2806, 0.2248, 1.1304

Previews

White Background



This preview shows how the XYZ color 30.0722, 30.0840, 4.2218 looks on a white background.

Color Contrast Check

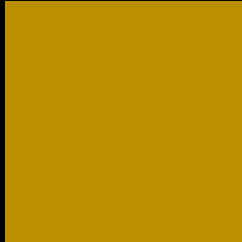
Large Text (above 18pt) WCAG AA × Fail

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 30.0722, 30.0840, 4.2218 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 30.0722, 30.0840, 4.2218

Background



This preview shows how black text looks on a background with the XYZ color 30.0722, 30.0840, 4.2218.



This preview shows how white text looks on a background with the XYZ color 30.0722, 30.0840,

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

30.0722, 30.0840, 4.2218

Protanopia

27.3178, 30.2674, 4.6608

Deuteranopia

30.7031, 30.1824, 4.4373



Tritanopia

35.3378, 30.0957, 29.9331

Trichromacy



Original Color

30.0722, 30.0840, 4.2218

Protanomaly

28.1458, 29.9945, 4.4784

Deuteranomaly

30.4394, 30.0483, 4.3392

Tritanomaly

32.0692, 29.5938, 13.9195

Monochromacy



Original Color

30.0722, 30.0840, 4.2218

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 30.0722, 30.0840, 4.2218 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(186, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 143, 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(186, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.0722, 30.0840, 4.2218 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(186, 143, 0) }
```


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

```
.border{ border-color:rgb(186, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 143,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0722, 30.0840, 4.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 143, 0) }
```

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

```
.background{ background-color: rgb(186,  
143, 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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