

Converting Colors

$Y_{xy}(30.4224, 0.4735, 0.4623)$

Have a look what the booklet for
Yxy(30.4224, 0.4735, 0.4623)
contains.

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Color

Yxy(30.4224, 0.4735, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	BF8E00
RGB	191, 142, 0
RGB Percent	75%, 56%, 0%
CMY	0.2510, 0.4431, 1.0000
CMYK	0.00, 0.26, 1.00, 0.25
HSL	45°, 100%, 37%
HSV	45°, 100%, 75%
XYZ	31.1594, 30.4224, 4.2248
YIQ	140.4630, 74.7860, -33.7740

Conversions

Conversions Part 2

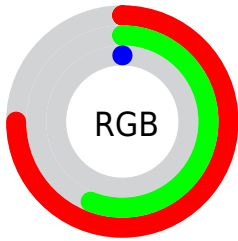
Format	Color
RYB	66, 191, 0
Decimal	12553728
CIELab	62.02, 8.48, 66.80
CIELCh	62, 67.340, 82.763
Yxy	30.4224, 0.4735, 0.4623
Android (android.graphics.Color)	4290743808 (0xFFBF8E00)
YUV	140.4630, -69.2483, 44.3209
Hunter-Lab	55.1565, 4.3157, 34.0682

Details

The Yxy color **30.4224, 0.4735, 0.4623** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.9587, 0.1583, 0.0898**, and the grayscale version is **26.6702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1935, 0.4487, 0.4440**, and **12.5598, 0.4830, 0.4547** is the 20% darker color. If you saturate the color by 10%, you get **30.4243, 0.4735, 0.4623**, and if you desaturate by 10%, it is **31.9621, 0.4635, 0.4626**.

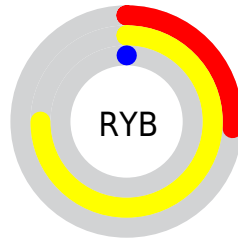
Distribution



Red (75%)

Green (56%)

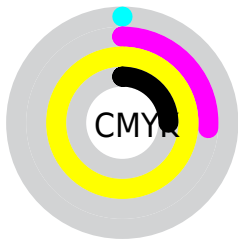
Blue (0%)



Red (26%)

Yellow (75%)

Blue (0%)

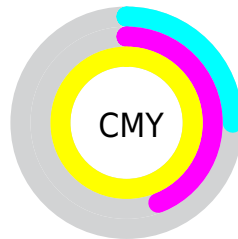


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4224, 0.4735, 0.4623 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 Yxy color 30.4224, 0.4735, 0.4623 by changing the saturation by 10% instead.


 30.4224, 0.4735,
0.4623


 30.4224, 0.4735,
0.4623


303.8684, 0.3969,
0.4032

 20.1594, 0.4879,
0.4712


 60.3295, 0.4485,
0.4445


 12.5110, 0.5046,
0.4803


 80.7425, 0.4381,
0.4366


 7.0927, 0.5174,
0.4826


 105.3076, 0.4289,
0.4294

 3.5201, 0.5251,
0.4749

 134.4091, 0.4209,
0.4230

 1.4089, 0.5381,
0.4619

 168.4316, 0.4138,
0.4172

 0.2233, 0.6525,
0.3475

 207.7594, 0.4075,

 0.0000, 0.0000,


0.4120


0.0000


 252.7769, 0.4019,
0.4074

 30.4224, 0.4735,
0.4623

 30.4224, 0.4735,
0.4623


 30.4243, 0.4735,
0.4623

 31.9621, 0.4635,
0.4626

 33.6114, 0.4510,
0.4589

 35.3897, 0.4358,
0.4504

 37.3062, 0.4185,
0.4379

 39.3690, 0.4000,
0.4222

■ 41.5851, 0.3811,
0.4043

■ 43.9608, 0.3625,
0.3854

■ 46.5022, 0.3448,
0.3661

■ 49.2147, 0.3281,
0.3472

Harmonies

Analogous

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



30.4224, 0.5199, 0.3881



30.4224, 0.4735, 0.4623



30.4224, 0.3894, 0.5219

Triad

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



30.4224, 0.4735, 0.4623



30.4224, 0.1530, 0.2970



30.4224, 0.3030, 0.2045

Complementary

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



30.4224, 0.4735, 0.4623



5.9587, 0.1583, 0.0898

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.



30.4224, 0.2127, 0.1789



30.4224, 0.4735, 0.4623



30.4224, 0.1395, 0.2163

Square

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



30.4224, 0.4735, 0.4623



30.4224, 0.2051, 0.4193



30.4224, 0.1592, 0.1808



30.4224, 0.4149, 0.2535

Rectangle

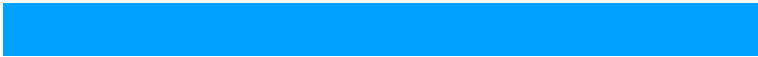
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.4224, 0.4735, 0.4623



30.4224, 0.3246, 0.5295



30.4224, 0.1592, 0.1808



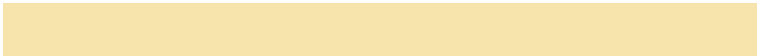
30.4224, 0.2691, 0.1931

Sweetspot

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



30.4243, 0.4735, 0.4623



78.5196, 0.3634, 0.3863



11.3156, 0.5882, 0.3014



16.8368, 0.3713, 0.3945



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



30.4243, 0.4735, 0.4623



54.0741, 0.4745, 0.4615



43.4156, 0.3785, 0.5377



10.6948, 0.3270, 0.3460



20.1279, 0.4726, 0.4630



0.8880, 0.4572, 0.4751

Inverse Universe

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



5.9587, 0.1583, 0.0898



10.3430, 0.1576, 0.0874



4.3100, 0.1627, 0.0670



9.6126, 0.2984, 0.3114



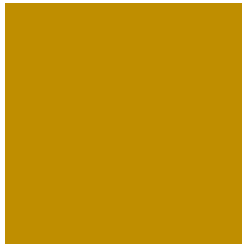
4.0277, 0.1589, 0.0920



0.2673, 0.1725, 0.1408

Previews

White Background



This preview shows how the Yxy color 30.4224, 0.4735, 0.4623 looks on a white background.

Color Contrast Check

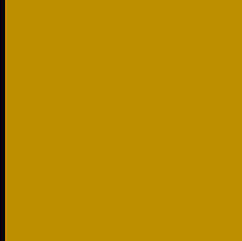
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.4224, 0.4735, 0.4623 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](#).

Yxy 30.4224, 0.4735, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 30.4224, 0.4735, 0.4623.



This preview shows how white text looks on a background with the Yxy color 30.4224, 0.4735, 0.4623.

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

30.4224, 0.4735, 0.4623

Protanopia

30.7034, 0.4384, 0.4859

Deuteranopia

30.2932, 0.4725, 0.4631



Tritanopia

30.4613, 0.3777, 0.3159

Trichromacy



Original Color

30.4224, 0.4735, 0.4623

Protanomaly

30.6601, 0.4513, 0.4773

Deuteranomaly

30.2932, 0.4725, 0.4631

Tritanomaly

29.9486, 0.4317, 0.3899

Monochromacy



Original Color

30.4224, 0.4735, 0.4623

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.1419, 0.3876, 0.4106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4224, 0.4735, 0.4623 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, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 142, 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, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.4224, 0.4735, 0.4623 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, 142, 0) }
```

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

```
.border{ border-color:rgb(191, 142, 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, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4224, 0.4735, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 142, 0) }
```

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

```
.background{ background-color: rgb(191,  
142, 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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