

Converting Colors

Yxy(32.9642, 0.4675, 0.4670)

Have a look what the booklet for
Yxy(32.9642, 0.4675, 0.4670)
contains.

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Color

Yxy(32.9642, 0.4675, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	C29500
RGB	194, 149, 0
RGB Percent	76%, 58%, 0%
CMY	0.2391, 0.4157, 1.0000
CMYK	0.00, 0.23, 1.00, 0.24
HSL	46°, 100%, 38%
HSV	46°, 100%, 76%
XYZ	32.9995, 32.9642, 4.6235
YIQ	145.4690, 74.6490, -36.7990

Conversions

Conversions Part 2

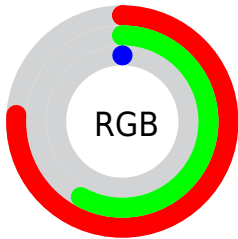
Format	Color
RYB	59, 194, 0
Decimal	12752128
CIELab	64.13, 6.02, 68.38
CIElCh	64, 68.648, 84.966
Yxy	32.9642, 0.4675, 0.4670
Android (android.graphics.Color)	4290942208 (0xFFC29500)
YUV	145.4690, -71.7162, 42.5617
Hunter-Lab	57.4145, 2.1192, 35.4156

Details

The Yxy color **32.9642, 0.4675, 0.4670** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **5.7755, 0.1569, 0.0849**, and the grayscale version is **28.7938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4529, 0.4442, 0.4487**, and **14.0746, 0.4742, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **32.9649, 0.4675, 0.4670**, and if you desaturate by 10%, it is **34.4667, 0.4585, 0.4669**.

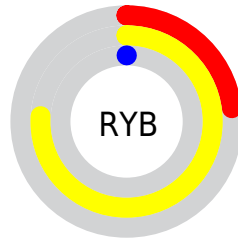
Distribution



Red (76%)

Green (58%)

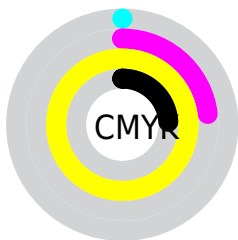
Blue (0%)



Red (23%)

Yellow (76%)

Blue (0%)

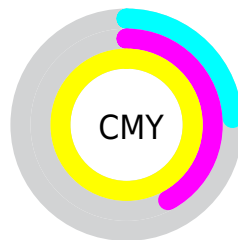


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9642, 0.4675, 0.4670 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 32.9642, 0.4675, 0.4670 by changing the saturation by 10% instead.


 32.9642, 0.4675,
0.4670


 32.9642, 0.4675,
0.4670


315.4884, 0.3951,
0.4057


 22.0990, 0.4807,
0.4767


 64.3196, 0.4442,
0.4483


 13.9297, 0.4950,
0.4862


 85.5787, 0.4344,
0.4401

 8.0718, 0.5079,
0.4921


 111.0711, 0.4258,
0.4327

 4.1409, 0.5130,
0.4870

 141.1814, 0.4181,
0.4260

 1.7527, 0.5213,
0.4787

 176.2939, 0.4113,
0.4201


 0.4574, 0.5598,
0.4402


 216.7929, 0.4053,


 0.0000, 0.0000,


0.4148

0.0000

 263.0630, 0.4000,
0.4100


 32.9642, 0.4675,
0.4670

 32.9642, 0.4675,
0.4670


 32.9649, 0.4675,
0.4670

 34.4667, 0.4585,
0.4669

 36.0716, 0.4470,
0.4628

 37.7984, 0.4328,
0.4540

 39.6566, 0.4164,
0.4411

 41.6542, 0.3986,
0.4250

■ 43.7983, 0.3803,
0.4067

■ 46.0954, 0.3621,
0.3872

■ 48.5515, 0.3446,
0.3673

■ 51.1720, 0.3280,
0.3478

Harmonies

Analogous

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



32.9642, 0.5171, 0.3935



32.9642, 0.4675, 0.4670



32.9642, 0.3823, 0.5232

Triad

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



32.9642, 0.4675, 0.4670



32.9642, 0.1517, 0.2897



32.9642, 0.3109, 0.2081

Complementary

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



32.9642, 0.4675, 0.4670



5.7755, 0.1569, 0.0849

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.



32.9642, 0.2187, 0.1807



32.9642, 0.4675, 0.4670



32.9642, 0.1408, 0.2131

Square

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



32.9642, 0.4675, 0.4670



32.9642, 0.2007, 0.4094



32.9642, 0.1628, 0.1805



32.9642, 0.4221, 0.2583

Rectangle

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



32.9642, 0.4675, 0.4670



32.9642, 0.3176, 0.5262



32.9642, 0.1628, 0.1805



32.9642, 0.2765, 0.1962

Sweetspot

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



32.9658, 0.4675, 0.4670



83.2872, 0.3630, 0.3881



11.6639, 0.5988, 0.3073



17.8408, 0.3707, 0.3966



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.9658, 0.4675, 0.4670



59.3027, 0.4684, 0.4663



44.3684, 0.3727, 0.5422



11.3492, 0.3270, 0.3466



21.7982, 0.4667, 0.4676



1.0408, 0.4541, 0.4776

Inverse Universe

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



5.7755, 0.1569, 0.0849



10.1424, 0.1563, 0.0826



4.6196, 0.1660, 0.0688



10.1189, 0.2983, 0.3108



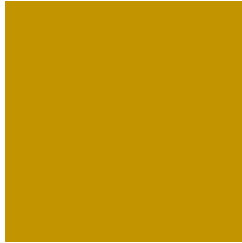
3.9016, 0.1575, 0.0869



0.2777, 0.1697, 0.1308

Previews

White Background



This preview shows how the Yxy color 32.9642, 0.4675, 0.4670 looks on a white background.

Color Contrast Check

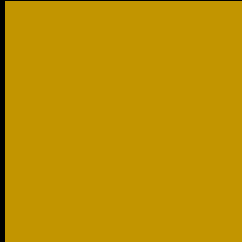
Large Text (above 18pt) WCAG AA × Fail

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 32.9642, 0.4675, 0.4670 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 32.9642, 0.4675, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 32.9642, 0.4675, 0.4670.



This preview shows how white text looks on a background with the Yxy color 32.9642, 0.4675, 0.4670.

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

32.9642, 0.4675, 0.4670

Protanopia

33.0290, 0.4392, 0.4860

Deuteranopia

33.0677, 0.4703, 0.4621



Tritanopia

32.7644, 0.3708, 0.3148

Trichromacy



Original Color

32.9642, 0.4675, 0.4670

Protanomaly

32.8629, 0.4505, 0.4784

Deuteranomaly

32.9265, 0.4699, 0.4634

Tritanomaly

32.1780, 0.4251, 0.3905

Monochromacy



Original Color

32.9642, 0.4675, 0.4670

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.1170, 0.3861, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9642, 0.4675, 0.4670 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(194, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 149, 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(194, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.9642, 0.4675, 0.4670 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(194, 149, 0) }
```

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

```
.border{ border-color:rgb(194, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 149,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9642, 0.4675, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 149, 0) }
```

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

```
.background{ background-color: rgb(194,  
149, 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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