

Converting Colors

$Y_{xy}(34.4046, 0.4579, 0.4746)$

Have a look what the booklet for
Yxy(34.4046, 0.4579, 0.4746)
contains.

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Color

Yxy(34.5191, 0.4572, 0.4752)

Conversions

Conversions Part 1

Format	Color
Hex	BF9B00
RGB	191, 155, 0
RGB Percent	75%, 61%, 0%
CMY	0.2509, 0.3922, 1.0000
CMYK	0.00, 0.19, 1.00, 0.25
HSL	49°, 100%, 37%
HSV	49°, 100%, 75%
XYZ	33.2116, 34.5191, 4.9105
YIQ	148.0940, 71.2110, -40.5730

Conversions

Conversions Part 2

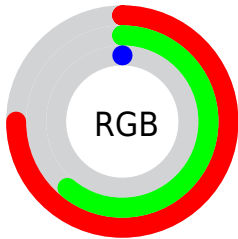
Format	Color
RYB	44, 191, 0
Decimal	12557056
CIELab	65.37, 1.43, 69.11
CIElCh	65, 69.122, 88.817
Yxy	34.5191, 0.4572, 0.4752
Android (android.graphics.Color)	4290747136 (0xFFBF9B00)
YUV	148.0940, -73.0103, 37.6286
Hunter-Lab	58.7530, -1.9161, 36.1716

Details

The Yxy color **34.5191, 0.4572, 0.4752** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.0261, 0.1549, 0.0776**, and the grayscale version is **29.9461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7908, 0.4367, 0.4545**, and **14.8872, 0.4626, 0.4709** is the 20% darker color. If you saturate the color by 10%, you get **34.5209, 0.4572, 0.4752**, and if you desaturate by 10%, it is **35.7854, 0.4497, 0.4742**.

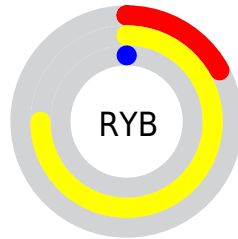
Distribution



Red (75%)

Green (61%)

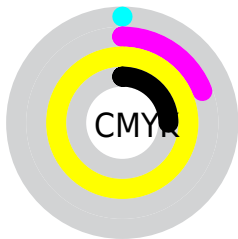
Blue (0%)



Red (17%)

Yellow (75%)

Blue (0%)

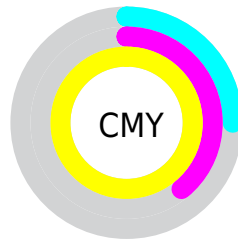


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5191, 0.4572, 0.4752 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 34.5191, 0.4572, 0.4752 by changing the saturation by 10% instead.


 34.5191, 0.4572,
0.4752


 34.5191, 0.4572,
0.4752


322.4405, 0.3909,
0.4089

 23.2927, 0.4689,
0.4865


 66.7401, 0.4362,
0.4545

 14.8098, 0.4808,
0.4978


 88.5035, 0.4272,
0.4455

 8.6860, 0.4921,
0.5079


 114.5479, 0.4193,
0.4376


 4.5369, 0.4933,
0.5067

 145.2579, 0.4123,
0.4305

 1.9782, 0.4952,
0.5048

 181.0177, 0.4060,
0.4242

 0.5948, 0.5023,
0.4977

 222.2119, 0.4004,

 0.0000, 0.0000,

0.4185

0.0000

269.2247, 0.3954,
0.4135

34.5191, 0.4572,
0.4752

34.5191, 0.4572,
0.4752

34.5209, 0.4572,
0.4752

35.7854, 0.4497,
0.4742

37.1326, 0.4399,
0.4693

38.5794, 0.4272,
0.4599

40.1347, 0.4123,
0.4464

41.8061, 0.3959,
0.4296

■ 43.6000, 0.3786,
0.4105

■ 45.5225, 0.3612,
0.3902

■ 47.5790, 0.3441,
0.3694

■ 49.7747, 0.3279,
0.3488

Harmonies

Analogous

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



34.5191, 0.5123, 0.4028



34.5191, 0.4572, 0.4752



34.5191, 0.3699, 0.5251

Triad

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



34.5191, 0.4572, 0.4752



34.5191, 0.1494, 0.2777



34.5191, 0.3248, 0.2142

Complementary

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



34.5191, 0.4572, 0.4752



5.0261, 0.1549, 0.0776

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.



34.5191, 0.2293, 0.1837



34.5191, 0.4572, 0.4752



34.5191, 0.1429, 0.2077

Square

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



34.5191, 0.4572, 0.4752



34.5191, 0.1931, 0.3925



34.5191, 0.1689, 0.1799



34.5191, 0.4344, 0.2665

Rectangle

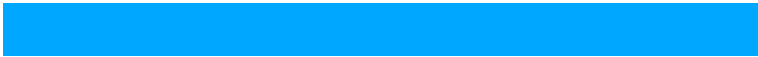
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.5191, 0.4572, 0.4752



34.5191, 0.3054, 0.5200



34.5191, 0.1689, 0.1799



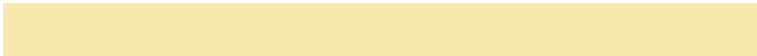
34.5191, 0.2897, 0.2013

Sweetspot

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



34.5209, 0.4572, 0.4752



81.3394, 0.3620, 0.3911



11.2207, 0.6080, 0.3123



17.5335, 0.3694, 0.3999



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.



34.5209, 0.4572, 0.4752



61.4709, 0.4579, 0.4746



42.3172, 0.3672, 0.5467



10.8063, 0.3269, 0.3475



22.7912, 0.4566, 0.4757



0.9731, 0.4461, 0.4840

Inverse Universe

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



5.0261, 0.1549, 0.0776



8.7423, 0.1544, 0.0756



4.6416, 0.1700, 0.0710



9.5088, 0.2984, 0.3098



3.3914, 0.1554, 0.0794



0.2221, 0.1672, 0.1219

Previews

White Background



This preview shows how the Yxy color 34.5191, 0.4572, 0.4752 looks on a white background.

Color Contrast Check

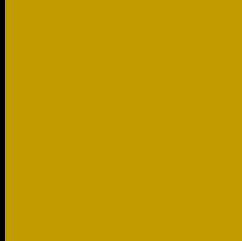
Large Text (above 18pt) WCAG AA × Fail

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 34.5191, 0.4572, 0.4752 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 34.5191, 0.4572, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 34.5191, 0.4572, 0.4752.



This preview shows how white text looks on a background with the Yxy color 34.5191, 0.4572, 0.4752.

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

34.5191, 0.4572, 0.4752

Protanopia

34.3975, 0.4392, 0.4868

Deuteranopia

34.5824, 0.4695, 0.4608



Tritanopia

34.4552, 0.3603, 0.3147

Trichromacy



Original Color

34.5191, 0.4572, 0.4752

Protanomaly

34.5320, 0.4448, 0.4833

Deuteranomaly

34.3465, 0.4653, 0.4658

Tritanomaly

33.8164, 0.4146, 0.3938

Monochromacy



Original Color

34.5191, 0.4572, 0.4752

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8339, 0.3823, 0.4151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5191, 0.4572, 0.4752 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, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 155, 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, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.5191, 0.4572, 0.4752 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, 155, 0) }
```

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

```
.border{ border-color:rgb(191, 155, 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, 155, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 155,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5191, 0.4572, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 155, 0) }
```

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

```
.background{ background-color: rgb(191,  
155, 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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