

Converting Colors

$Y_{xy}(34.2544, 0.4585, 0.4742)$

Have a look what the booklet for
Yxy(34.2544, 0.4585, 0.4742)
contains.

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Color

Yxy(34.1876, 0.4584, 0.4743)

Conversions

Conversions Part 1

Format	Color
Hex	BF9A00
RGB	191, 154, 0
RGB Percent	75%, 60%, 0%
CMY	0.2510, 0.3961, 1.0000
CMYK	0.00, 0.19, 1.00, 0.25
HSL	48°, 100%, 37%
HSV	48°, 100%, 75%
XYZ	33.0415, 34.1876, 4.8510
YIQ	147.5070, 71.4860, -40.0500

Conversions

Conversions Part 2

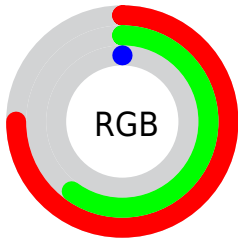
Format	Color
RYB	46, 191, 0
Decimal	12556800
CIELab	65.11, 1.95, 68.95
CIELCh	65, 68.973, 88.378
Yxy	34.1876, 0.4584, 0.4743
Android (android.graphics.Color)	4290746880 (0xFFBF9A00)
YUV	147.5070, -72.7210, 38.1434
Hunter-Lab	58.4702, -1.4523, 36.0101

Details

The Yxy color **34.1876, 0.4584, 0.4743** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.0849, 0.1551, 0.0784**, and the grayscale version is **29.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3016, 0.4375, 0.4537**, and **14.6060, 0.4629, 0.4706** is the 20% darker color. If you saturate the color by 10%, you get **34.1897, 0.4584, 0.4743**, and if you desaturate by 10%, it is **35.4774, 0.4507, 0.4734**.

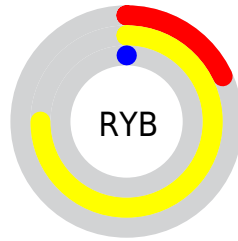
Distribution



Red (75%)

Green (60%)

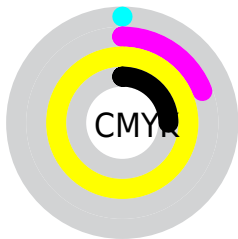
Blue (0%)



Red (18%)

Yellow (75%)

Blue (0%)

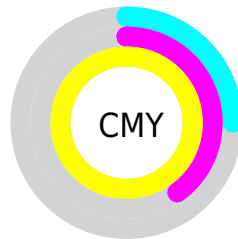


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1876, 0.4584, 0.4743 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 34.1876, 0.4584, 0.4743 by changing the saturation by 10% instead.

 34.1876, 0.4584,
0.4743


 34.1876, 0.4584,
0.4743


 320.9677, 0.3914,
0.4085

 23.0378, 0.4703,
0.4854


 66.2253, 0.4371,
0.4538


 14.6214, 0.4825,
0.4965


 87.8819, 0.4281,
0.4449


 8.5541, 0.4939,
0.5061


 113.8096, 0.4200,
0.4370

 4.4515, 0.4955,
0.5045

 144.3928, 0.4129,
0.4299

 1.9292, 0.4981,
0.5019

 180.0158, 0.4066,
0.4237

 0.5658, 0.5085,
0.4915

 221.0630, 0.4009,

 0.0000, 0.0000,

0.4181

0.0000

267.9189, 0.3959,
0.4130

34.1876, 0.4584,
0.4743

34.1876, 0.4584,
0.4743

34.1897, 0.4584,
0.4743

35.4774, 0.4507,
0.4734

36.8497, 0.4407,
0.4686

38.3235, 0.4279,
0.4592

39.9077, 0.4128,
0.4457

41.6099, 0.3962,
0.4290

■ 43.4367, 0.3788,
0.4100

■ 45.3940, 0.3613,
0.3898

■ 47.4874, 0.3442,
0.3691

■ 49.7220, 0.3279,
0.3487

Harmonies

Analogous

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



34.1876, 0.5130, 0.4017



34.1876, 0.4584, 0.4743



34.1876, 0.3714, 0.5250

Triad

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



34.1876, 0.4584, 0.4743



34.1876, 0.1497, 0.2790



34.1876, 0.3232, 0.2134

Complementary

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



34.1876, 0.4584, 0.4743



5.0849, 0.1551, 0.0784

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.



34.1876, 0.2280, 0.1834



34.1876, 0.4584, 0.4743



34.1876, 0.1426, 0.2082

Square

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



34.1876, 0.4584, 0.4743



34.1876, 0.1939, 0.3944



34.1876, 0.1682, 0.1799



34.1876, 0.4331, 0.2655

Rectangle

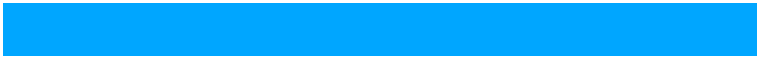
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.1876, 0.4584, 0.4743



34.1876, 0.3067, 0.5208



34.1876, 0.1682, 0.1799



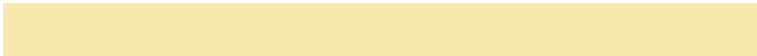
34.1876, 0.2881, 0.2007

Sweetspot

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



34.1897, 0.4584, 0.4743



81.1246, 0.3621, 0.3908



11.2182, 0.6080, 0.3123



17.4803, 0.3695, 0.3995



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.



34.1897, 0.4584, 0.4743



60.8852, 0.4591, 0.4737



42.3077, 0.3672, 0.5467



10.7979, 0.3269, 0.3474



22.5807, 0.4577, 0.4748



0.9665, 0.4470, 0.4833

Inverse Universe

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



5.0849, 0.1551, 0.0784



8.8440, 0.1546, 0.0764



4.6405, 0.1700, 0.0710



9.5166, 0.2984, 0.3099



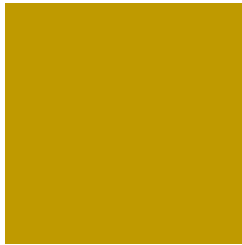
3.4326, 0.1556, 0.0802



0.2255, 0.1676, 0.1234

Previews

White Background



This preview shows how the Yxy color 34.1876, 0.4584, 0.4743 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 34.1876, 0.4584, 0.4743 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 34.1876, 0.4584, 0.4743

Background



This preview shows how black text looks on a background with the Yxy color 34.1876, 0.4584, 0.4743.



This preview shows how white text looks on a background with the Yxy color 34.1876, 0.4584, 0.4743.

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

34.1876, 0.4584, 0.4743

Protanopia

34.3975, 0.4392, 0.4868

Deuteranopia

34.1238, 0.4697, 0.4605



Tritanopia

34.1201, 0.3616, 0.3147

Trichromacy



Original Color

34.1876, 0.4584, 0.4743

Protanomaly

34.1922, 0.4460, 0.4824

Deuteranomaly

34.0233, 0.4665, 0.4649

Tritanomaly

33.4850, 0.4163, 0.3938

Monochromacy



Original Color

34.1876, 0.4584, 0.4743

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.5134, 0.3829, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1876, 0.4584, 0.4743 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, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 154, 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, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.1876, 0.4584, 0.4743 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, 154, 0) }
```

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

```
.border{ border-color:rgb(191, 154, 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, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1876, 0.4584, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 154, 0) }
```

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

```
.background{ background-color: rgb(191,  
154, 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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