

Converting Colors

$Y_{xy}(52.4945, 0.4880, 0.4505)$

Have a look what the booklet for
Yxy(52.4945, 0.4880, 0.4505)
contains.

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Color

Yxy(52.3129, 0.4885, 0.4501)

Conversions

Conversions Part 1

Format	Color
Hex	FFB001
RGB	255, 176, 1
RGB Percent	100%, 69%, 0%
CMY	0.0000, 0.3098, 0.9957
CMYK	0.00, 0.31, 1.00, 0.00
HSL	41°, 100%, 50%
HSV	41°, 100%, 100%
XYZ	56.7759, 52.3129, 7.1362
YIQ	179.6710, 103.2590, -37.6770

Conversions

Conversions Part 2

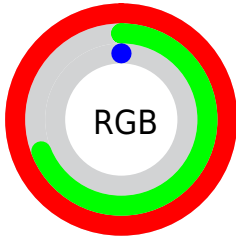
Format	Color
R_{YB}	116, 255, 1
Decimal	16756737
CIE _{Lab}	77.47, 18.22, 80.51
CIE _{LCh}	77, 82.549, 77.252
Yxy	52.3129, 0.4885, 0.4501
Android (android.graphics.Color)	4294946817 (0xFFFFB001)
YUV	179.6710, -88.0848, 66.0635
Hunter-Lab	72.3277, 13.5460, 44.7795

Details

The Yxy color **52.3129, 0.4885, 0.4501** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **12.9802, 0.1612, 0.0999**, and the grayscale version is **45.9016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0210, 0.4200, 0.4653**, and **25.6218, 0.4992, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **52.1752, 0.4890, 0.4500**, and if you desaturate by 10%, it is **55.5905, 0.4768, 0.4527**.

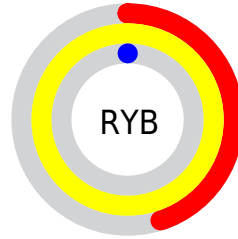
Distribution



Red (100%)

Green (69%)

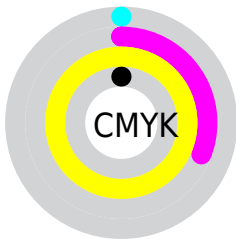
Blue (0%)



Red (45%)

Yellow (100%)

Blue (0%)

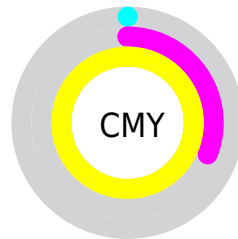


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3129, 0.4885, 0.4501 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 52.3129, 0.4885, 0.4501 by changing the saturation by 10% instead.


 52.3129, 0.4885,
0.4501


 52.3129, 0.4885,
0.4501


395.6434, 0.4122,
0.4051


 37.2545, 0.5021,
0.4555


 93.5925, 0.4647,
0.4381


 25.4046, 0.5164,
0.4594


 120.5826, 0.4545,
0.4323

 16.3788, 0.5342,
0.4632


 152.3187, 0.4455,
0.4268

 9.7926, 0.5442,
0.4558

 189.1852, 0.4373,
0.4217

 5.2616, 0.5566,
0.4434

 231.5666, 0.4300,
0.4170

 2.4016, 0.5759,
0.4241

 279.8471, 0.4235,

 0.8267, 0.6101,

0.4127

0.3899

334.4112, 0.4176,
0.4087

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.3129, 0.4885,
0.4501

■ 52.3129, 0.4885,
0.4501

■ 52.1752, 0.4890,
0.4500

■ 55.5905, 0.4768,
0.4527

■ 59.1500, 0.4621,
0.4505

■ 63.0214, 0.4445,
0.4432

■ 67.2249, 0.4249,
0.4316

■ 71.7780, 0.4044,
0.4167

■ 76.6963, 0.3838,
0.3997

■ 81.9941, 0.3638,
0.3817

■ 87.6844, 0.3451,
0.3633

■ 93.7796, 0.3278,
0.3454

Harmonies

Analogous

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



52.3129, 0.5263, 0.3747



52.3129, 0.4885, 0.4501



52.3129, 0.4075, 0.5174

Triad

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



52.3129, 0.4885, 0.4501



52.3129, 0.1566, 0.3166



52.3129, 0.2831, 0.1956

Complementary

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



52.3129, 0.4885, 0.4501



12.9802, 0.1612, 0.0999

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.



52.3129, 0.1980, 0.1745



52.3129, 0.4885, 0.4501



52.3129, 0.1365, 0.2250

Square

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



52.3129, 0.4885, 0.4501



52.3129, 0.2167, 0.4451



52.3129, 0.1504, 0.1818



52.3129, 0.3963, 0.2414

Rectangle

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



52.3129, 0.4885, 0.4501



52.3129, 0.3425, 0.5362



52.3129, 0.1504, 0.1818



52.3129, 0.2505, 0.1856

Sweetspot

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



52.3125, 0.4885, 0.4501



81.7562, 0.3647, 0.3825



21.8857, 0.5739, 0.2938



17.0125, 0.3730, 0.3901



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.



52.3125, 0.4885, 0.4501



52.1752, 0.4890, 0.4500



84.9980, 0.3867, 0.5310



20.0810, 0.3277, 0.3453



27.5411, 0.4875, 0.4511



2.8766, 0.4778, 0.4588

Inverse Universe

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



12.9802, 0.1612, 0.0999



12.8620, 0.1609, 0.0991



7.8640, 0.1576, 0.0643



18.2997, 0.2979, 0.3121



6.9532, 0.1617, 0.1020



0.8619, 0.1678, 0.1241

Previews

White Background



This preview shows how the Yxy color 52.3129, 0.4885, 0.4501 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 52.3129, 0.4885, 0.4501 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 52.3129, 0.4885, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 52.3129, 0.4885, 0.4501.



This preview shows how white text looks on a background with the Yxy color 52.3129, 0.4885, 0.4501.

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

52.3129, 0.4885, 0.4501

Protanopia

52.3356, 0.4388, 0.4859

Deuteranopia

52.3331, 0.4722, 0.4633



Tritanopia

52.1118, 0.3846, 0.3176

Trichromacy



Original Color

52.3129, 0.4885, 0.4501

Protanomaly

51.9650, 0.4572, 0.4728

Deuteranomaly

52.4167, 0.4783, 0.4585

Tritanomaly

51.2244, 0.4423, 0.3863

Monochromacy



Original Color

52.3129, 0.4885, 0.4501

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.7434, 0.3923, 0.4080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3129, 0.4885, 0.4501 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(255, 176, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 1)  
}
```

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(255, 176, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 1) }
```

Border

The CSS property to change the border of an element to Yxy 52.3129, 0.4885, 0.4501 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(255, 176, 1) }
```

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

```
.border{ border-color:rgb(255, 176, 1) }
```

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

Here you see how a box with a 4 pixel rgb(255, 176, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3129, 0.4885, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 1) }
```

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

```
.background{ background-color: rgb(255,  
176, 1) }
```

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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