

Converting Colors

Yxy(51.3528, 0.4828, 0.4453)

Have a look what the booklet for
Yxy(51.3528, 0.4828, 0.4453)
contains.

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Color

Yxy(51.4543, 0.4826, 0.4456)

Conversions

Conversions Part 1

Format	Color
Hex	FCAF1F
RGB	252, 175, 31
RGB Percent	99%, 69%, 12%
CMY	0.0117, 0.3137, 0.8784
CMYK	0.00, 0.31, 0.88, 0.01
HSL	39°, 97%, 55%
HSV	39°, 88%, 99%
XYZ	55.7268, 51.4543, 8.2909
YIQ	181.6070, 92.1160, -28.4600

Conversions

Conversions Part 2

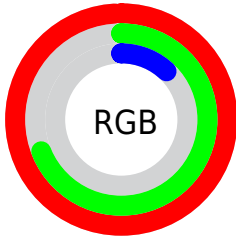
Format	Color
RYB	149, 252, 31
Decimal	16559903
CIELab	76.95, 17.82, 75.49
CIELCh	77, 77.569, 76.717
Yxy	51.4543, 0.4826, 0.4456
Android (android.graphics.Color)	4294749983 (0xFFFCAF1F)
YUV	181.6070, -74.2493, 61.7347
Hunter-Lab	71.7317, 13.1424, 43.3593

Details

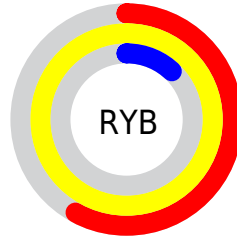
The Yxy color **51.4543, 0.4826, 0.4456** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **18.0511, 0.1729, 0.1328**, and the grayscale version is **46.9303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6439, 0.4160, 0.4574**, and **25.1131, 0.4987, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **48.0624, 0.4963, 0.4429**, and if you desaturate by 10%, it is **55.1761, 0.4656, 0.4432**.

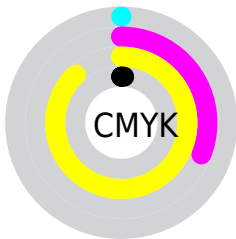
Distribution



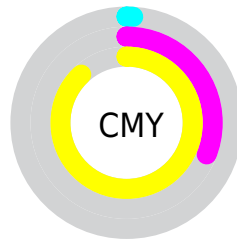
- Red (99%)
- Green (69%)
- Blue (12%)



- Red (58%)
- Yellow (99%)
- Blue (12%)



- Cyan (0%)
- Magenta (31%)
- Yellow (88%)
- Black (1%)





- Cyan (1%)
- Magenta (31%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4543, 0.4826, 0.4456 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 51.4543, 0.4826, 0.4456 by changing the saturation by 10% instead.


 51.4543, 0.4826,
0.4456

 51.4543, 0.4826,
0.4456


392.3263, 0.4073,
0.4007


 36.5703, 0.4967,
0.4516


 92.3260, 0.4586,
0.4331


 24.8750, 0.5118,
0.4564


 119.0824, 0.4485,
0.4273


 15.9839, 0.5291,
0.4599


 150.5651, 0.4396,
0.4219

 9.5128, 0.5436,
0.4564

 187.1584, 0.4316,
0.4169

 5.0771, 0.5560,
0.4440

 229.2468, 0.4245,
0.4123

 2.2926, 0.5754,
0.4246

 277.2147, 0.4181,

 0.7698, 0.6112,

0.4081

0.3888

331.4463, 0.4124,
0.4042

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.4543, 0.4826,
0.4456

■ 51.4543, 0.4826,
0.4456

■ 48.0624, 0.4963,
0.4429

■ 55.1761, 0.4656,
0.4432

■ 47.3186, 0.4992,
0.4418


■ 59.2459, 0.4458,
0.4357


■ 63.6865, 0.4245,
0.4241

■ 68.5157, 0.4027,
0.4095

 73.7496, 0.3812,
0.3930

 79.4027, 0.3609,
0.3757

 85.4887, 0.3420,
0.3583

 92.0206, 0.3248,
0.3414

 98.8272, 0.3109,
0.3281

Harmonies

Analogous

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



51.4543, 0.5160, 0.3735



51.4543, 0.4826, 0.4456



51.4543, 0.4066, 0.5080

Triad

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



51.4543, 0.4826, 0.4456



51.4543, 0.1645, 0.3201



51.4543, 0.2832, 0.2006

Complementary

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



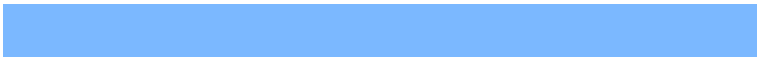
51.4543, 0.4826, 0.4456



18.0511, 0.1729, 0.1328

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.



51.4543, 0.2022, 0.1808



51.4543, 0.4826, 0.4456



51.4543, 0.1438, 0.2319

Square

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



51.4543, 0.4826, 0.4456



51.4543, 0.2236, 0.4400



51.4543, 0.1566, 0.1888



51.4543, 0.3901, 0.2445

Rectangle

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



51.4543, 0.4826, 0.4456



51.4543, 0.3446, 0.5245



51.4543, 0.1566, 0.1888



51.4543, 0.2523, 0.1911

Sweetspot

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



51.4569, 0.4826, 0.4456



82.5756, 0.3576, 0.3727



22.7693, 0.5254, 0.2759



17.2276, 0.3644, 0.3788



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.



51.4569, 0.4826, 0.4456



48.5823, 0.4993, 0.4418



84.7691, 0.3934, 0.5192



19.1129, 0.3278, 0.3444



24.9319, 0.4975, 0.4432



2.5075, 0.4857, 0.4525

Inverse Universe

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



18.0511, 0.1729, 0.1328



14.3419, 0.1635, 0.1085



9.1050, 0.1653, 0.0746



17.6322, 0.2979, 0.3131



7.5294, 0.1644, 0.1116



0.8875, 0.1709, 0.1352

Previews

White Background



This preview shows how the Yxy color 51.4543, 0.4826, 0.4456 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 51.4543, 0.4826, 0.4456 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 51.4543, 0.4826, 0.4456

Background



This preview shows how black text looks on a background with the Yxy color 51.4543, 0.4826, 0.4456.



This preview shows how white text looks on a background with the Yxy color 51.4543, 0.4826, 0.4456.

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

51.4543, 0.4826, 0.4456

Protanopia

51.6791, 0.4343, 0.4810

Deuteranopia

51.2469, 0.4689, 0.4581



Tritanopia

51.3049, 0.3871, 0.3176

Trichromacy



Original Color

51.4543, 0.4826, 0.4456

Protanomaly

51.3074, 0.4523, 0.4675

Deuteranomaly

51.1577, 0.4739, 0.4537

Tritanomaly

50.8768, 0.4344, 0.3769

Monochromacy



Original Color

51.4543, 0.4826, 0.4456

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.0379, 0.3824, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4543, 0.4826, 0.4456 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(252, 175, 31)` looks like.

```
.text, #text, p{  
    color:rgb(252, 175, 31)  
}
```

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(252, 175, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 175, 31) }
```

Border

The CSS property to change the border of an element to Yxy 51.4543, 0.4826, 0.4456 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(252, 175, 31) }
```

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

```
.border{ border-color:rgb(252, 175, 31) }
```

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

Here you see how a box with a 4 pixel rgb(252, 175, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 175, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 175, 31);  
box-shadow:4px 4px 4px 4px rgb(252, 175,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4543, 0.4826, 0.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 175, 31) }
```

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

```
.background{ background-color: rgb(252,  
175, 31) }
```

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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