

Converting Colors

Yxy(52.9831, 0.4588, 0.4159)

Have a look what the booklet for
Yxy(52.9831, 0.4588, 0.4159)
contains.

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Color

Yxy(52.9826, 0.4588, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	FFB056
RGB	255, 176, 86
RGB Percent	100%, 69%, 34%
CMY	0.0000, 0.3098, 0.6625
CMYK	0.00, 0.31, 0.66, 0.00
HSL	32°, 100%, 67%
HSV	32°, 66%, 100%
XYZ	58.4477, 52.9826, 15.9623
YIQ	189.3610, 75.9740, -11.2420

Conversions

Conversions Part 2

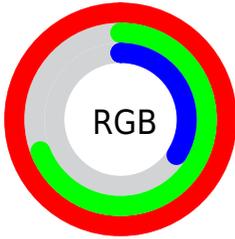
Format	Color
RYB	234, 255, 86
Decimal	16756822
CIELab	77.86, 20.60, 56.38
CIELCh	78, 60.024, 69.931
Yxy	52.9826, 0.4588, 0.4159
Android (android.graphics.Color)	4294946902 (0xFFFFB056)
YUV	189.3610, -50.9570, 57.5654
Hunter-Lab	72.7891, 15.9497, 37.9504

Details

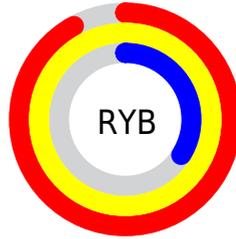
The Yxy color **52.9826, 0.4588, 0.4159** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **36.1319, 0.2065, 0.2110**, and the grayscale version is **51.3759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8373, 0.3900, 0.4217**, and **25.7451, 0.4918, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **48.1716, 0.4845, 0.4216**, and if you desaturate by 10%, it is **58.3554, 0.4323, 0.4062**.

Distribution



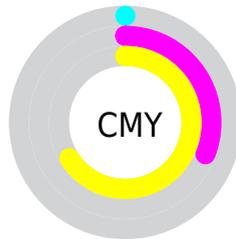
- Red (100%)
- Green (69%)
- Blue (34%)



- Red (92%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (31%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9826, 0.4588, 0.4159 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 52.9826, 0.4588, 0.4159 by changing the saturation by 10% instead.

 52.9826, 0.4588,
0.4159

 52.9826, 0.4588,
0.4159

398.2184, 0.3901,
0.3800

 37.7889, 0.4737,
0.4220

 94.5788, 0.4354,
0.4049

 25.8189, 0.4912,
0.4282

 121.7500, 0.4261,
0.4002

 16.6882, 0.5116,
0.4335

 153.6825, 0.4180,
0.3959

 10.0124, 0.5359,
0.4369

 190.7607, 0.4110,
0.3920

 5.4072, 0.5645,
0.4355

233.3690, 0.4048,
0.3886

 2.4881, 0.5855,
0.4145

281.8918, 0.3993,

 0.8707, 0.6217,

0.3854

0.3783

336.7135, 0.3945,
0.3826

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.9826, 0.4588,
0.4159

52.9826, 0.4588,
0.4159

48.1716, 0.4845,
0.4216

58.3554, 0.4323,
0.4062

43.8887, 0.5078,
0.4221

64.3074, 0.4065,
0.3938

40.1049, 0.5273,
0.4171

70.8630, 0.3822,
0.3799

38.8013, 0.5339,
0.4143

78.0429, 0.3601,
0.3654

 85.8663, 0.3402,
0.3511

 94.3517, 0.3226,
0.3372

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



52.9826, 0.4699, 0.3578



52.9826, 0.4588, 0.4159



52.9826, 0.4075, 0.4635

Triad

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



52.9826, 0.4588, 0.4159



52.9826, 0.2038, 0.3445



52.9826, 0.2741, 0.2195

Complementary

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



52.9826, 0.4588, 0.4159



36.1319, 0.2065, 0.2110

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.



52.9826, 0.2138, 0.2085



52.9826, 0.4588, 0.4159



52.9826, 0.1775, 0.2683

Square

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



52.9826, 0.4588, 0.4159



52.9826, 0.2601, 0.4292



52.9826, 0.1813, 0.2231



52.9826, 0.3545, 0.2522

Rectangle

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



52.9826, 0.4588, 0.4159



52.9826, 0.3602, 0.4774



52.9826, 0.1813, 0.2231



52.9826, 0.2511, 0.2132

Sweetspot

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



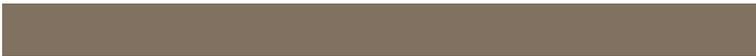
52.9848, 0.4588, 0.4159



82.8568, 0.3474, 0.3564



30.7416, 0.4214, 0.2510



17.2647, 0.3530, 0.3605



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.



52.9848, 0.4588, 0.4159



46.5054, 0.4936, 0.4224



92.9227, 0.4019, 0.4809



19.5885, 0.3281, 0.3417



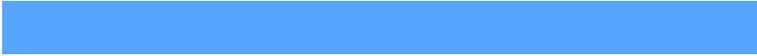
20.5765, 0.5315, 0.4161



2.2223, 0.5152, 0.4291

Inverse Universe

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



36.1319, 0.2065, 0.2110



28.6022, 0.1896, 0.1823



16.0028, 0.1849, 0.1161



18.7781, 0.2979, 0.3160



10.9889, 0.1741, 0.1467



1.2863, 0.1800, 0.1681

Previews

White Background



This preview shows how the Yxy color 52.9826, 0.4588, 0.4159 looks on a white background.

Color Contrast Check

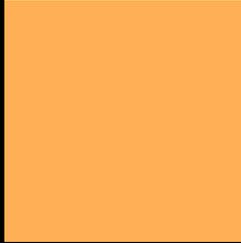
Large Text (above 18pt) WCAG AA × Fail

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 52.9826, 0.4588, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

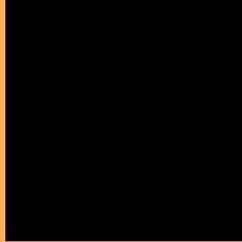
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.9826, 0.4588, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 52.9826, 0.4588, 0.4159.



This preview shows how white text looks on a background with the Yxy color 52.9826, 0.4588, 0.4159.

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

52.9826, 0.4588, 0.4159

Protanopia

53.1914, 0.4075, 0.4452

Deuteranopia

52.8578, 0.4411, 0.4307



Tritanopia

52.9312, 0.3821, 0.3176

Trichromacy



Original Color

52.9826, 0.4588, 0.4159

Protanomaly

52.9199, 0.4262, 0.4347

Deuteranomaly

52.7109, 0.4479, 0.4245

Tritanomaly

52.8404, 0.4129, 0.3566

Monochromacy



Original Color

52.9826, 0.4588, 0.4159

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.6941, 0.3647, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9826, 0.4588, 0.4159 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 86) }
```

Border

The CSS property to change the border of an element to Yxy 52.9826, 0.4588, 0.4159 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, 86) }
```

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

```
.border{ border-color:rgb(255, 176, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9826, 0.4588, 0.4159 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, 86) }
```

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

```
.background{ background-color: rgb(255,  
176, 86) }
```

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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