

Converting Colors

$Y_{xy}(32.5748, 0.5152, 0.4179)$

Have a look what the booklet for
Yxy(32.5748, 0.5152, 0.4179)
contains.

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Color

Yxy(32.5384, 0.5156, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	E4821B
RGB	228, 130, 27
RGB Percent	89%, 51%, 11%
CMY	0.1059, 0.4902, 0.8938
CMYK	0.00, 0.43, 0.88, 0.11
HSL	31°, 79%, 50%
HSV	31°, 88%, 89%
XYZ	40.1743, 32.5384, 5.2049
YIQ	147.5600, 91.4710, -11.2570

Conversions

Conversions Part 2

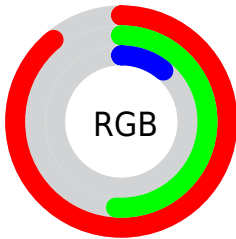
Format	Color
R _Y B	218, 228, 27
Decimal	14975515
CIE Lab	63.79, 31.34, 64.98
CIE LCh	64, 72.137, 64.254
Yxy	32.5384, 0.5156, 0.4176
Android (android.graphics.Color)	4293165595 (0xFFE4821B)
YUV	147.5600, -59.4361, 70.5459
Hunter-Lab	57.0424, 25.8912, 34.5197

Details

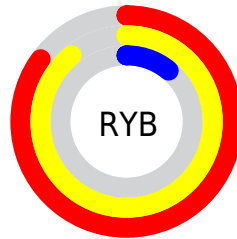
The Yxy color **32.5384, 0.5156, 0.4176** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **20.5191, 0.1839, 0.1731**, and the grayscale version is **29.6502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1811, 0.4536, 0.4249**, and **13.8443, 0.5448, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **29.6698, 0.5355, 0.4116**, and if you desaturate by 10%, it is **35.8098, 0.4918, 0.4183**.

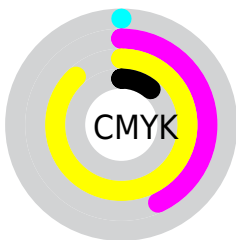
Distribution



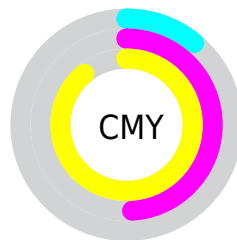
- Red (89%)
- Green (51%)
- Blue (11%)



- Red (85%)
- Yellow (89%)
- Blue (11%)



- Cyan (0%)
- Magenta (43%)
- Yellow (88%)
- Black (11%)



- Cyan (11%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5384, 0.5156, 0.4176 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 32.5384, 0.5156, 0.4176 by changing the saturation by 10% instead.

 32.5384, 0.5156,
0.4176

 32.5384, 0.5156,
0.4176

313.5646, 0.4161,
0.3860


 21.7731, 0.5364,
0.4192


 63.6542, 0.4818,
0.4105

 13.6902, 0.5600,
0.4176


 84.7734, 0.4682,
0.4064


 7.9055, 0.5886,
0.4114


 110.1128, 0.4565,
0.4024

 4.0346, 0.6113,
0.3887

 140.0566, 0.4462,
0.3987

 1.6929, 0.6467,
0.3533

 174.9893, 0.4372,
0.3951

 0.4191, 0.7421,
0.2579

 215.2952, 0.4293,

 0.0000, 1.0000,

0.3918

0.0000

261.3589, 0.4223,
0.3888

■ 0.0000, 0.0000,
0.0000

■ 32.5384, 0.5156,
0.4176

■ 32.5384, 0.5156,
0.4176

■ 29.6698, 0.5355,
0.4116

■ 35.8098, 0.4918,
0.4183

■ 29.1689, 0.5390,
0.4102

■ 39.5066, 0.4655,
0.4137

■ 43.6527, 0.4384,
0.4050

■ 48.2677, 0.4118,
0.3935

■ 53.3699, 0.3868,
0.3803

■ 58.9761, 0.3641,
0.3665

■ 65.1022, 0.3437,
0.3527

■ 71.7633, 0.3257,
0.3393

■ 78.9736, 0.3099,
0.3267

Harmonies

Analogous

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



32.5384, 0.5264, 0.3428



32.5384, 0.5156, 0.4176



32.5384, 0.4478, 0.4938

Triad

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



32.5384, 0.5156, 0.4176



32.5384, 0.1747, 0.3716



32.5384, 0.2400, 0.1807

Complementary

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



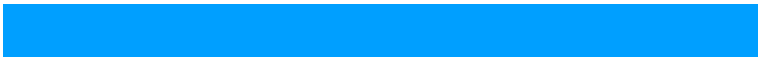
32.5384, 0.5156, 0.4176



20.5191, 0.1839, 0.1731

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.



32.5384, 0.1704, 0.1712



32.5384, 0.5156, 0.4176



32.5384, 0.1376, 0.2563

Square

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



32.5384, 0.5156, 0.4176



32.5384, 0.2525, 0.4979



32.5384, 0.1375, 0.1927



32.5384, 0.3463, 0.2168

Rectangle

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



32.5384, 0.5156, 0.4176



32.5384, 0.3858, 0.5319



32.5384, 0.1375, 0.1927



32.5384, 0.2124, 0.1744

Sweetspot

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



32.5401, 0.5156, 0.4176



77.5181, 0.3599, 0.3638



18.8267, 0.4704, 0.2443



16.0271, 0.3674, 0.3686



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.



32.5401, 0.5156, 0.4176



37.3955, 0.5399, 0.4095



72.0543, 0.4168, 0.5012



15.5828, 0.3280, 0.3411



17.0830, 0.5367, 0.4120



1.4483, 0.5150, 0.4293

Inverse Universe

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



20.5191, 0.1839, 0.1731



21.7263, 0.1751, 0.1504



6.6229, 0.1557, 0.0695



15.0417, 0.2981, 0.3166



10.0595, 0.1762, 0.1541



0.9288, 0.1836, 0.1810

Previews

White Background



This preview shows how the Yxy color 32.5384, 0.5156, 0.4176 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 32.5384, 0.5156, 0.4176 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 32.5384, 0.5156, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 32.5384, 0.5156, 0.4176.



This preview shows how white text looks on a background with the Yxy color 32.5384, 0.5156, 0.4176.

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

32.5384, 0.5156, 0.4176

Protanopia

32.5569, 0.4316, 0.4769

Deuteranopia

32.6274, 0.4701, 0.4612



Tritanopia

32.4423, 0.4343, 0.3192

Trichromacy



Original Color

32.5384, 0.5156, 0.4176

Protanomaly

32.1260, 0.4638, 0.4546

Deuteranomaly

32.5001, 0.4878, 0.4448

Tritanomaly

32.1945, 0.4752, 0.3630

Monochromacy



Original Color

32.5384, 0.5156, 0.4176

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.3963, 0.3930, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5384, 0.5156, 0.4176 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(228, 130, 27)` looks like.

```
.text, #text, p{  
    color:rgb(228, 130, 27)  
}
```

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(228, 130, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 130, 27) }
```

Border

The CSS property to change the border of an element to Yxy 32.5384, 0.5156, 0.4176 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(228, 130, 27) }
```

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

```
.border{ border-color:rgb(228, 130, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 130, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 130, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 130, 27);  
box-shadow:4px 4px 4px 4px rgb(228, 130,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5384, 0.5156, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 130, 27) }
```

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

```
.background{ background-color: rgb(228,  
130, 27) }
```

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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