

Converting Colors

$Y_{xy}(32.8297, 0.5498, 0.3887)$

Have a look what the booklet for
Yxy(32.8297, 0.5498, 0.3887)
contains.

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Color

Yxy(32.8290, 0.5497, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	FC721F
RGB	252, 114, 31
RGB Percent	99%, 45%, 12%
CMY	0.0119, 0.5528, 0.8787
CMYK	0.00, 0.55, 0.88, 0.01
HSL	23°, 97%, 55%
HSV	23°, 88%, 99%
XYZ	46.4029, 32.8290, 5.1831
YIQ	145.8000, 108.8910, 3.4430

Conversions

Conversions Part 2

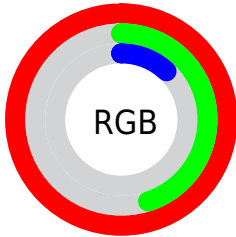
Format	Color
R_{YB}	252, 164, 31
Decimal	16544287
CIE _{Lab}	64.02, 48.78, 65.49
CIE _{LCh}	64, 81.659, 53.316
Yxy	32.8290, 0.5497, 0.3889
Android (android.graphics.Color)	4294734367 (0xFFFC721F)
YUV	145.8000, -56.5964, 93.1374
Hunter-Lab	57.2966, 44.2932, 34.7442

Details

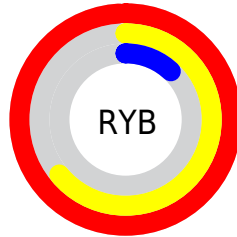
The Yxy color **32.8290, 0.5497, 0.3889** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **35.6528, 0.1955, 0.2158**, and the grayscale version is **28.8622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3078, 0.4646, 0.4093**, and **13.9231, 0.5916, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **29.4958, 0.5745, 0.3803**, and if you desaturate by 10%, it is **36.8781, 0.5193, 0.3924**.

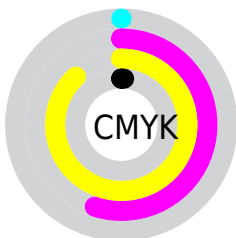
Distribution



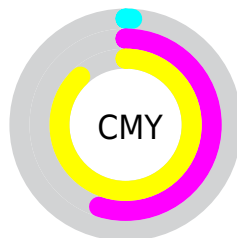
- Red (99%)
- Green (45%)
- Blue (12%)



- Red (99%)
- Yellow (64%)
- Blue (12%)



- Cyan (0%)
- Magenta (55%)
- Yellow (88%)
- Black (1%)





- Cyan (1%)
- Magenta (55%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8290, 0.5497, 0.3889 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 32.8290, 0.5497, 0.3889 by changing the saturation by 10% instead.


 32.8290, 0.5497,
0.3889


 32.8290, 0.5497,
0.3889


314.8785, 0.4330,
0.3755


 21.9955, 0.5743,
0.3855


 64.1085, 0.5100,
0.3890

 13.8536, 0.6026,
0.3776


 85.3232, 0.4941,
0.3875


 8.0189, 0.6367,
0.3633

 110.7671, 0.4803,
0.3856


 4.1070, 0.6674,
0.3326

 140.8246, 0.4683,
0.3836

 1.7336, 0.7128,
0.2872

 175.8801, 0.4578,
0.3815

 0.4453, 0.8080,
0.1920

 216.3180, 0.4485,

 0.0000, 1.0000,

0.3794

0.0000

262.5227, 0.4403,
0.3774

■ 0.0000, 0.0000,
0.0000

■ 32.8290, 0.5497,
0.3889

■ 32.8290, 0.5497,
0.3889

■ 29.4958, 0.5745,
0.3803

■ 36.8781, 0.5193,
0.3924

■ 28.8246, 0.5796,
0.3780

■ 41.6883, 0.4858,
0.3908

■ 47.3049, 0.4522,
0.3851

■ 53.7675, 0.4204,
0.3768

■ 61.1123, 0.3915,
0.3669

 69.3734, 0.3661,
0.3565

 78.5829, 0.3442,
0.3462

 88.7712, 0.3253,
0.3363

99.4312, 0.3108,
0.3290

Harmonies

Analogous

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



32.8290, 0.5353, 0.3121



32.8290, 0.5497, 0.3889



32.8290, 0.4893, 0.4745

Triad

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



32.8290, 0.5497, 0.3889



32.8290, 0.1846, 0.4340



32.8290, 0.1990, 0.1601

Complementary

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



32.8290, 0.5497, 0.3889



35.6528, 0.1955, 0.2158

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.



32.8290, 0.1402, 0.1604



32.8290, 0.5497, 0.3889



32.8290, 0.1301, 0.2855

Square

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



32.8290, 0.5497, 0.3889



32.8290, 0.2808, 0.5557



32.8290, 0.1181, 0.1963



32.8290, 0.3020, 0.1886

Rectangle

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



32.8290, 0.5497, 0.3889



32.8290, 0.4259, 0.5301



32.8290, 0.1181, 0.1963



32.8290, 0.1748, 0.1568

Sweetspot

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



32.8308, 0.5497, 0.3889



72.8230, 0.3622, 0.3548



24.6058, 0.4234, 0.2172



14.9218, 0.3704, 0.3584



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.



32.8308, 0.5497, 0.3889



29.5990, 0.5797, 0.3779



73.3014, 0.4388, 0.4827



18.2942, 0.3285, 0.3380



15.2782, 0.5766, 0.3804



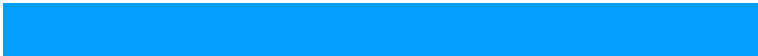
1.6114, 0.5542, 0.3981

Inverse Universe

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



35.6528, 0.1955, 0.2158



32.0668, 0.1884, 0.1983



10.5925, 0.1601, 0.0858



18.4480, 0.2980, 0.3199



16.5635, 0.1891, 0.2007



1.7378, 0.1938, 0.2177

Previews

White Background



This preview shows how the Yxy color 32.8290, 0.5497, 0.3889 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 32.8290, 0.5497, 0.3889 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 32.8290, 0.5497, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 32.8290, 0.5497, 0.3889.



This preview shows how white text looks on a background with the Yxy color 32.8290, 0.5497, 0.3889.

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

32.8290, 0.5497, 0.3889

Protanopia

33.0581, 0.4282, 0.4720

Deuteranopia

32.7378, 0.4729, 0.4627



Tritanopia

32.7603, 0.4866, 0.3228

Trichromacy



Original Color

32.8290, 0.5497, 0.3889

Protanomaly

31.8862, 0.4755, 0.4394

Deuteranomaly

32.1038, 0.5047, 0.4339

Tritanomaly

32.6326, 0.5179, 0.3528

Monochromacy



Original Color

32.8290, 0.5497, 0.3889

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.3640, 0.4065, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8290, 0.5497, 0.3889 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, 114, 31)` looks like.

```
.text, #text, p{  
    color:rgb(252, 114, 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, 114, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 114, 31) }
```

Border

The CSS property to change the border of an element to Yxy 32.8290, 0.5497, 0.3889 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, 114, 31) }
```

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

```
.border{ border-color:rgb(252, 114, 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, 114, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 114, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 114, 31);  
box-shadow:4px 4px 4px 4px rgb(252, 114,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8290, 0.5497, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 114, 31) }
```

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

```
.background{ background-color: rgb(252,  
114, 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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