

Converting Colors

$Y_{xy}(32.8388, 0.5408, 0.3910)$

Have a look what the booklet for
Yxy(32.8388, 0.5408, 0.3910)
contains.

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Color

Yxy(32.8126, 0.5411, 0.3910)

Conversions

Conversions Part 1

Format	Color
Hex	F87525
RGB	248, 117, 37
RGB Percent	97%, 46%, 15%
CMY	0.0274, 0.5412, 0.8545
CMYK	0.00, 0.53, 0.85, 0.03
HSL	23°, 94%, 56%
HSV	23°, 85%, 97%
XYZ	45.4089, 32.8126, 5.6981
YIQ	147.0490, 103.7560, 2.8920

Conversions

Conversions Part 2

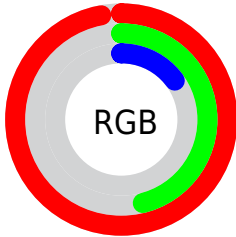
Format	Color
R_{YB}	248, 166, 37
Decimal	16282917
CIE _{Lab}	64.01, 46.01, 63.14
CIE _{LCh}	64, 78.123, 53.919
Yxy	32.8126, 0.5411, 0.3910
Android (android.graphics.Color)	4294472997 (0xFFFF87525)
YUV	147.0490, -54.2542, 88.5340
Hunter-Lab	57.2823, 41.2569, 34.1997

Details

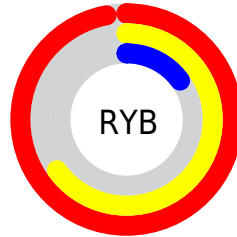
The Yxy color **32.8126, 0.5411, 0.3910** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **35.2140, 0.1972, 0.2189**, and the grayscale version is **29.4007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1240, 0.4602, 0.4081**, and **13.8571, 0.5839, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **29.4083, 0.5675, 0.3837**, and if you desaturate by 10%, it is **36.9168, 0.5097, 0.3930**.

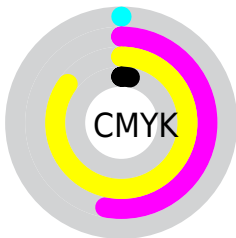
Distribution



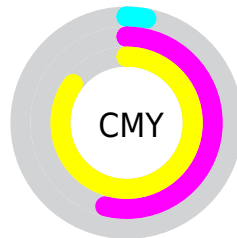
- Red (97%)
- Green (46%)
- Blue (15%)



- Red (97%)
- Yellow (65%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (85%)
- Black (3%)




- Cyan (3%)
- Magenta (54%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8126, 0.5411, 0.3910 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 32.8126, 0.5411, 0.3910 by changing the saturation by 10% instead.

 32.8126, 0.5411,
0.3910


 32.8126, 0.5411,
0.3910

314.8045, 0.4278,
0.3750

 21.9829, 0.5654,
0.3887


 64.0828, 0.5022,
0.3898


 13.8444, 0.5934,
0.3820


 85.2922, 0.4867,
0.3879


 8.0125, 0.6294,
0.3706


 110.7302, 0.4734,
0.3857

 4.1029, 0.6590,
0.3410

 140.7813, 0.4618,
0.3834

 1.7313, 0.7031,
0.2969

 175.8299, 0.4517,
0.3812

 0.4438, 0.7985,
0.2015

 216.2604, 0.4427,

 0.0000, 1.0000,

0.3790

0.0000

262.4571, 0.4349,
0.3769

■ 0.0000, 0.0000,
0.0000

■ 32.8126, 0.5411,
0.3910

■ 32.8126, 0.5411,
0.3910

■ 29.4083, 0.5675,
0.3837

■ 36.9168, 0.5097,
0.3930


■ 27.9555, 0.5787,
0.3787


■ 41.7609, 0.4762,
0.3900


■ 47.3867, 0.4430,
0.3835


■ 53.8311, 0.4120,
0.3745

■ 61.1280, 0.3842,
0.3644

 69.3093, 0.3598,
0.3539

 78.4051, 0.3388,
0.3436

 88.4439, 0.3208,
0.3337

 98.6971, 0.3084,
0.3290

Harmonies

Analogous

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



32.8126, 0.5274, 0.3155



32.8126, 0.5411, 0.3910



32.8126, 0.4834, 0.4736

Triad

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



32.8126, 0.5411, 0.3910



32.8126, 0.1884, 0.4262



32.8126, 0.2047, 0.1655

Complementary

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



32.8126, 0.5411, 0.3910



35.2140, 0.1972, 0.2189

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.



32.8126, 0.1462, 0.1655



32.8126, 0.5411, 0.3910



32.8126, 0.1355, 0.2859

Square

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



32.8126, 0.5411, 0.3910



32.8126, 0.2815, 0.5433



32.8126, 0.1239, 0.2004



32.8126, 0.3053, 0.1940

Rectangle

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



32.8126, 0.5411, 0.3910



32.8126, 0.4222, 0.5255



32.8126, 0.1239, 0.2004



32.8126, 0.1807, 0.1622

Sweetspot

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



32.8144, 0.5411, 0.3910



72.9226, 0.3621, 0.3550



24.2140, 0.4189, 0.2172



14.9452, 0.3703, 0.3586



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.



32.8144, 0.5411, 0.3910



29.7377, 0.5789, 0.3785



71.2161, 0.4368, 0.4814



18.3029, 0.3284, 0.3380



15.3498, 0.5758, 0.3810



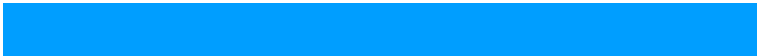
1.6187, 0.5535, 0.3987

Inverse Universe

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



35.2140, 0.1972, 0.2189



31.8066, 0.1881, 0.1972



10.9783, 0.1628, 0.0911



18.4390, 0.2980, 0.3198



16.4322, 0.1888, 0.1997



1.7262, 0.1936, 0.2168

Previews

White Background



This preview shows how the Yxy color 32.8126, 0.5411, 0.3910 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 32.8126, 0.5411, 0.3910 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 32.8126, 0.5411, 0.3910

Background



This preview shows how black text looks on a background with the Yxy color 32.8126, 0.5411, 0.3910.



This preview shows how white text looks on a background with the Yxy color 32.8126, 0.5411, 0.3910.

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

32.8126, 0.5411, 0.3910

Protanopia

32.9808, 0.4246, 0.4690

Deuteranopia

32.6537, 0.4681, 0.4587



Tritanopia

32.7309, 0.4761, 0.3216

Trichromacy



Original Color

32.8126, 0.5411, 0.3910

Protanomaly

31.9379, 0.4698, 0.4388

Deuteranomaly

32.1300, 0.4977, 0.4320

Tritanomaly

32.6169, 0.5071, 0.3520

Monochromacy



Original Color

32.8126, 0.5411, 0.3910

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.8602, 0.4007, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8126, 0.5411, 0.3910 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(248, 117, 37)` looks like.

```
.text, #text, p{  
    color:rgb(248, 117, 37)  
}
```

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(248, 117, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 117, 37) }
```

Border

The CSS property to change the border of an element to Yxy 32.8126, 0.5411, 0.3910 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(248, 117, 37) }
```

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

```
.border{ border-color:rgb(248, 117, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 117, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 117, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 117, 37);  
box-shadow:4px 4px 4px 4px rgb(248, 117,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8126, 0.5411, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 117, 37) }
```

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

```
.background{ background-color: rgb(248,  
117, 37) }
```

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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