

Converting Colors

$Y_{xy}(32.7399, 0.5281, 0.3929)$

Have a look what the booklet for
Yxy(32.7399, 0.5281, 0.3929)
contains.

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Color

Yxy(32.7492, 0.5277, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	F2792E
RGB	242, 121, 46
RGB Percent	95%, 47%, 18%
CMY	0.0509, 0.5255, 0.8196
CMYK	0.00, 0.50, 0.81, 0.05
HSL	23°, 88%, 56%
HSV	23°, 81%, 95%
XYZ	43.9516, 32.7492, 6.5882
YIQ	148.6290, 96.1910, 2.3270

Conversions

Conversions Part 2

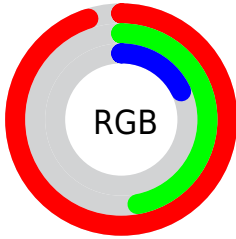
Format	Color
R _{YB}	242, 167, 46
Decimal	15890734
CIE _{Lab}	63.96, 42.00, 59.34
CIE _{LCh}	64, 72.702, 54.707
Yxy	32.7492, 0.5277, 0.3932
Android (android.graphics.Color)	4294080814 (0xFFFF2792E)
YUV	148.6290, -50.5961, 81.8864
Hunter-Lab	57.2269, 36.9449, 33.2332

Details

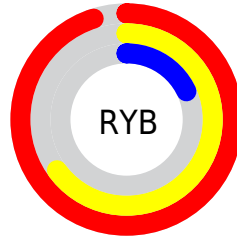
The Yxy color **32.7492, 0.5277, 0.3932** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **34.6307, 0.2003, 0.2239**, and the grayscale version is **30.0773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8018, 0.4513, 0.4055**, and **13.8399, 0.5733, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **29.2566, 0.5563, 0.3882**, and if you desaturate by 10%, it is **36.9152, 0.4953, 0.3930**.

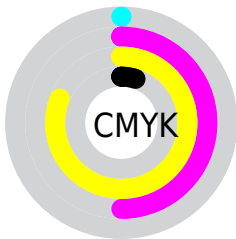
Distribution



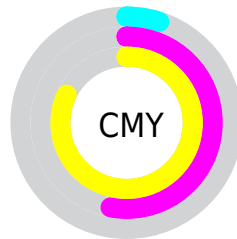
- Red (95%)
- Green (47%)
- Blue (18%)



- Red (95%)
- Yellow (65%)
- Blue (18%)



- Cyan (0%)
- Magenta (50%)
- Yellow (81%)
- Black (5%)




- Cyan (5%)
- Magenta (53%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7492, 0.5277, 0.3932 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 32.7492, 0.5277, 0.3932 by changing the saturation by 10% instead.


 32.7492, 0.5277,
0.3932


 32.7492, 0.5277,
0.3932


314.5181, 0.4199,
0.3737

 21.9344, 0.5516,
0.3924


 63.9838, 0.4902,
0.3901


 13.8087, 0.5794,
0.3880


 85.1723, 0.4754,
0.3877

 7.9877, 0.6186,
0.3814


 110.5876, 0.4628,
0.3852

 4.0871, 0.6466,
0.3534

 140.6139, 0.4518,
0.3827

 1.7224, 0.6887,
0.3113

 175.6357, 0.4423,
0.3802

 0.4381, 0.7846,
0.2154

 216.0374, 0.4339,

 0.0000, 1.0000,

0.3779

0.0000

262.2034, 0.4265,
0.3757

■ 0.0000, 0.0000,
0.0000

■ 32.7492, 0.5277,
0.3932

■ 32.7492, 0.5277,
0.3932

■ 29.2566, 0.5563,
0.3882

■ 36.9152, 0.4953,
0.3930


■ 26.6393, 0.5774,
0.3798


■ 41.7891, 0.4619,
0.3883

■ 47.4086, 0.4296,
0.3805


■ 53.8068, 0.4001,
0.3709

■ 61.0144, 0.3737,
0.3604

 69.0603, 0.3508,
0.3499

 77.9719, 0.3311,
0.3396

 87.7752, 0.3143,
0.3299

 97.6194, 0.3048,
0.3290

Harmonies

Analogous

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



32.7492, 0.5148, 0.3201



32.7492, 0.5277, 0.3932



32.7492, 0.4742, 0.4709

Triad

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



32.7492, 0.5277, 0.3932



32.7492, 0.1947, 0.4156



32.7492, 0.2131, 0.1740

Complementary

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



32.7492, 0.5277, 0.3932



34.6307, 0.2003, 0.2239

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.



32.7492, 0.1556, 0.1737



32.7492, 0.5277, 0.3932



32.7492, 0.1442, 0.2872

Square

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



32.7492, 0.5277, 0.3932



32.7492, 0.2830, 0.5249



32.7492, 0.1332, 0.2070



32.7492, 0.3093, 0.2021

Rectangle

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



32.7492, 0.5277, 0.3932



32.7492, 0.4167, 0.5171



32.7492, 0.1332, 0.2070



32.7492, 0.1896, 0.1706

Sweetspot

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



32.7510, 0.5277, 0.3932



74.8845, 0.3575, 0.3531



23.7401, 0.4119, 0.2180



15.3345, 0.3657, 0.3569



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.



32.7510, 0.5277, 0.3932



30.8385, 0.5712, 0.3824



68.1247, 0.4333, 0.4789



16.7503, 0.3284, 0.3381



14.5534, 0.5744, 0.3821



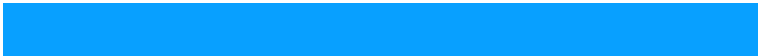
1.3973, 0.5499, 0.4016

Inverse Universe

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



34.6307, 0.2003, 0.2239



32.5326, 0.1893, 0.2001



11.6432, 0.1674, 0.1001



16.8539, 0.2980, 0.3197



15.3312, 0.1885, 0.1986



1.4671, 0.1938, 0.2176

Previews

White Background



This preview shows how the Yxy color 32.7492, 0.5277, 0.3932 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 32.7492, 0.5277, 0.3932 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 32.7492, 0.5277, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 32.7492, 0.5277, 0.3932.



This preview shows how white text looks on a background with the Yxy color 32.7492, 0.5277, 0.3932.

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

32.7492, 0.5277, 0.3932

Protanopia

33.0514, 0.4201, 0.4623

Deuteranopia

32.7306, 0.4625, 0.4517



Tritanopia

32.6032, 0.4631, 0.3212

Trichromacy



Original Color

32.7492, 0.5277, 0.3932

Protanomaly

32.0350, 0.4615, 0.4348

Deuteranomaly

32.4763, 0.4875, 0.4289

Tritanomaly

32.5320, 0.4923, 0.3514

Monochromacy



Original Color

32.7492, 0.5277, 0.3932

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.7024, 0.3922, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7492, 0.5277, 0.3932 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(242, 121, 46)` looks like.

```
.text, #text, p{  
    color:rgb(242, 121, 46)  
}
```

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(242, 121, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 121, 46) }
```

Border

The CSS property to change the border of an element to Yxy 32.7492, 0.5277, 0.3932 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(242, 121, 46) }
```

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

```
.border{ border-color:rgb(242, 121, 46) }
```

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

Here you see how a box with a 4 pixel rgb(242, 121, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 121, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 121, 46);  
box-shadow:4px 4px 4px 4px rgb(242, 121,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7492, 0.5277, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 121, 46) }
```

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

```
.background{ background-color: rgb(242,  
121, 46) }
```

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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