

Converting Colors

$Y_{xy}(29.9659, 0.5403, 0.3940)$

Have a look what the booklet for
Yxy(29.9659, 0.5403, 0.3940)
contains.

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Color

Yxy(29.9191, 0.5408, 0.3937)

Conversions

Conversions Part 1

Format	Color
Hex	ED7120
RGB	237, 113, 32
RGB Percent	93%, 44%, 13%
CMY	0.0705, 0.5569, 0.8744
CMYK	0.00, 0.52, 0.86, 0.07
HSL	24°, 85%, 53%
HSV	24°, 86%, 93%
XYZ	41.0979, 29.9191, 4.9777
YIQ	140.8420, 99.9050, 1.0970

Conversions

Conversions Part 2

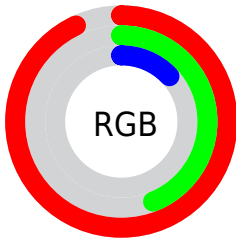
Format	Color
R_{YB}	237, 166, 32
Decimal	15560992
CIE _{Lab}	61.58, 43.68, 62.25
CIE _{LCh}	62, 76.047, 54.947
Yxy	29.9191, 0.5408, 0.3937
Android (android.graphics.Color)	4293751072 (0xFFED7120)
YUV	140.8420, -53.6591, 84.3306
Hunter-Lab	54.6984, 38.3949, 32.8933

Details

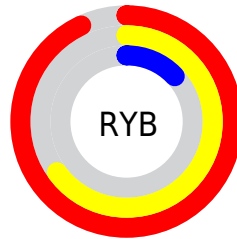
The Yxy color **29.9191, 0.5408, 0.3937** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **30.2256, 0.1950, 0.2121**, and the grayscale version is **26.7569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5693, 0.4663, 0.4073**, and **12.3362, 0.5825, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **26.8837, 0.5659, 0.3860**, and if you desaturate by 10%, it is **33.5558, 0.5107, 0.3960**.

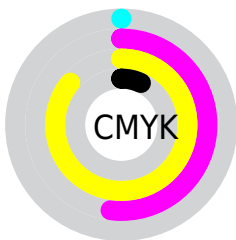
Distribution



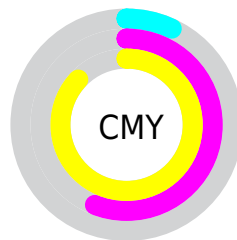
- Red (93%)
- Green (44%)
- Blue (13%)



- Red (93%)
- Yellow (65%)
- Blue (13%)



- Cyan (0%)
- Magenta (52%)
- Yellow (86%)
- Black (7%)





- Cyan (7%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9191, 0.5408, 0.3937 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 29.9191, 0.5408, 0.3937 by changing the saturation by 10% instead.


 29.9191, 0.5408,
0.3937


 29.9191, 0.5408,
0.3937


301.5272, 0.4262,
0.3760


 19.7772, 0.5656,
0.3913


 59.5342, 0.5012,
0.3921


 12.2332, 0.5946,
0.3847


 79.7762, 0.4855,
0.3899

 6.9027, 0.6291,
0.3709


 104.1537, 0.4720,
0.3876

 3.4013, 0.6605,
0.3395

 133.0511, 0.4603,
0.3851

 1.3447, 0.7084,
0.2916

 166.8527, 0.4501,
0.3827

 0.1754, 0.8808,
0.1192

 205.9430, 0.4412,

 0.0000, 1.0000,

0.3803

0.0000

250.7064, 0.4333,
0.3781

■ 0.0000, 0.0000,
0.0000

■ 29.9191, 0.5408,
0.3937

■ 29.9191, 0.5408,
0.3937

■ 26.8837, 0.5659,
0.3860

■ 33.5558, 0.5107,
0.3960

■ 25.9439, 0.5737,
0.3826

■ 37.8283, 0.4782,
0.3933

■ 42.7727, 0.4456,
0.3868

■ 48.4205, 0.4150,
0.3777

■ 54.8006, 0.3872,
0.3673

61.9405, 0.3627,
0.3564

69.8656, 0.3414,
0.3457

78.6005, 0.3231,
0.3353

88.1683, 0.3075,
0.3257

Harmonies

Analogous

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



29.9191, 0.5301, 0.3178



29.9191, 0.5408, 0.3937



29.9191, 0.4809, 0.4767

Triad

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



29.9191, 0.5408, 0.3937



29.9191, 0.1853, 0.4214



29.9191, 0.2071, 0.1655

Complementary

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



29.9191, 0.5408, 0.3937



30.2256, 0.1950, 0.2121

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.



29.9191, 0.1472, 0.1645



29.9191, 0.5408, 0.3937



29.9191, 0.1339, 0.2817

Square

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



29.9191, 0.5408, 0.3937



29.9191, 0.2777, 0.5420



29.9191, 0.1237, 0.1980



29.9191, 0.3093, 0.1950

Rectangle

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



29.9191, 0.5408, 0.3937



29.9191, 0.4189, 0.5284



29.9191, 0.1237, 0.1980



29.9191, 0.1826, 0.1619

Sweetspot

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



29.9208, 0.5408, 0.3937



73.4619, 0.3618, 0.3560



21.5279, 0.4264, 0.2204



15.0717, 0.3699, 0.3598



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.



29.9208, 0.5408, 0.3937



30.5092, 0.5744, 0.3821



65.7576, 0.4348, 0.4845



16.0300, 0.3283, 0.3384



14.3998, 0.5708, 0.3850



1.3136, 0.5454, 0.4052

Inverse Universe

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



30.2256, 0.1950, 0.2121



30.4303, 0.1865, 0.1914



9.2472, 0.1608, 0.0860



16.0656, 0.2981, 0.3195



14.3939, 0.1873, 0.1944



1.3170, 0.1931, 0.2150

Previews

White Background



This preview shows how the Yxy color 29.9191, 0.5408, 0.3937 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9191, 0.5408, 0.3937 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 × Fail

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

Yxy 29.9191, 0.5408, 0.3937

Background



This preview shows how black text looks on a background with the Yxy color 29.9191, 0.5408, 0.3937.



This preview shows how white text looks on a background with the Yxy color 29.9191, 0.5408, 0.3937.

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

29.9191, 0.5408, 0.3937

Protanopia

30.1883, 0.4262, 0.4723

Deuteranopia

29.8927, 0.4708, 0.4603



Tritanopia

30.0256, 0.4729, 0.3222

Trichromacy



Original Color

29.9191, 0.5408, 0.3937

Protanomaly

29.2377, 0.4694, 0.4422

Deuteranomaly

29.4014, 0.4983, 0.4349

Tritanomaly

29.9281, 0.5049, 0.3541

Monochromacy



Original Color

29.9191, 0.5408, 0.3937

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.4023, 0.4014, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9191, 0.5408, 0.3937 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(237, 113, 32)` looks like.

```
.text, #text, p{  
    color:rgb(237, 113, 32)  
}
```

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(237, 113, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 113, 32) }
```

Border

The CSS property to change the border of an element to Yxy 29.9191, 0.5408, 0.3937 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(237, 113, 32) }
```

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

```
.border{ border-color:rgb(237, 113, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 113, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 113, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 113, 32);  
box-shadow:4px 4px 4px 4px rgb(237, 113,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9191, 0.5408, 0.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 113, 32) }
```

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

```
.background{ background-color: rgb(237,  
113, 32) }
```

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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