

Converting Colors

$Y_{xy}(28.0626, 0.5110, 0.3748)$

Have a look what the booklet for
Yxy(28.0626, 0.5110, 0.3748)
contains.

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Color

Yxy(28.0931, 0.5113, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	E36F42
RGB	227, 111, 66
RGB Percent	89%, 44%, 26%
CMY	0.1098, 0.5647, 0.7411
CMYK	0.00, 0.51, 0.71, 0.11
HSL	17°, 74%, 57%
HSV	17°, 71%, 89%
XYZ	38.3449, 28.0931, 8.5569
YIQ	140.5540, 83.5810, 10.5970

Conversions

Conversions Part 2

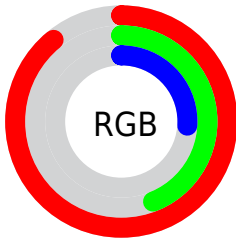
Format	Color
R_{YB}	227, 128, 66
Decimal	14905154
CIE _{Lab}	59.97, 41.98, 45.32
CIE _{LCh}	60, 61.779, 47.188
Yxy	28.0931, 0.5113, 0.3746
Android (android.graphics.Color)	4293095234 (0xFFE36F42)
YUV	140.5540, -36.7551, 75.8131
Hunter-Lab	53.0029, 36.3805, 27.5301

Details

The Yxy color **28.0931, 0.5113, 0.3746** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **40.1557, 0.2165, 0.2647**, and the grayscale version is **26.5761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4312, 0.4440, 0.3794**, and **11.1709, 0.5695, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **24.6294, 0.5484, 0.3733**, and if you desaturate by 10%, it is **32.3194, 0.4731, 0.3720**.

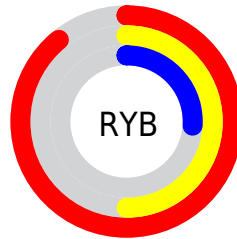
Distribution



Red (89%)

Green (44%)

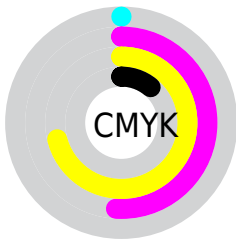
Blue (26%)



Red (89%)

Yellow (50%)

Blue (26%)

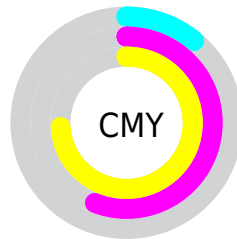


Cyan (0%)

Magenta (51%)

Yellow (71%)

Black (11%)



Cyan (11%)


Magenta (56%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0931, 0.5113, 0.3746 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 28.0931, 0.5113, 0.3746 by changing the saturation by 10% instead.


 28.0931, 0.5113,
0.3746


 28.0931, 0.5113,
0.3746


292.9115, 0.4061,
0.3601


 18.3959, 0.5373,
0.3740


 56.6330, 0.4727,
0.3722

 11.2346, 0.5695,
0.3703


 76.2445, 0.4582,
0.3703

 6.2248, 0.6122,
0.3619

 99.9296, 0.4460,
0.3684

 2.9823, 0.6611,
0.3389

 128.0725, 0.4356,
0.3666

 1.1225, 0.7119,
0.2881

 161.0578, 0.4267,
0.3648

 0.0000, 1.0000,
0.0000

199.2698, 0.4189,

 0.0000, 0.0000,

0.3631

0.0000

243.0929, 0.4121,
0.3616

■ 28.0931, 0.5113,
0.3746

■ 28.0931, 0.5113,
0.3746

■ 24.6294, 0.5484,
0.3733

■ 32.3194, 0.4731,
0.3720

■ 21.8746, 0.5805,
0.3675


■ 37.3480, 0.4368,
0.3666


■ 19.9354, 0.6032,
0.3592


■ 43.2208, 0.4042,
0.3597

■ 49.9756, 0.3758,
0.3520

■ 57.6477, 0.3516,
0.3442

 66.2703, 0.3312,
0.3367

 75.8751, 0.3141,
0.3296

 86.4921, 0.2998,
0.3231

 95.0697, 0.2958,
0.3290

Harmonies

Analogous

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



28.0931, 0.4798, 0.3071



28.0931, 0.5113, 0.3746



28.0931, 0.4785, 0.4452

Triad

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



28.0931, 0.5113, 0.3746



28.0931, 0.2247, 0.4351



28.0931, 0.2055, 0.1838

Complementary

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



28.0931, 0.5113, 0.3746



40.1557, 0.2165, 0.2647

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.



28.0931, 0.1601, 0.1914



28.0931, 0.5113, 0.3746



28.0931, 0.1671, 0.3191

Square

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



28.0931, 0.5113, 0.3746



28.0931, 0.3118, 0.5129



28.0931, 0.1470, 0.2334



28.0931, 0.2856, 0.2037

Rectangle

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



28.0931, 0.5113, 0.3746



28.0931, 0.4318, 0.4881



28.0931, 0.1470, 0.2334



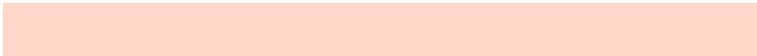
28.0931, 0.1866, 0.1830

Sweetspot

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



28.0946, 0.5113, 0.3746



74.8255, 0.3521, 0.3444



23.6905, 0.3719, 0.2084



15.3970, 0.3584, 0.3465



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.



28.0946, 0.5113, 0.3746



30.2955, 0.5641, 0.3712



53.3034, 0.4354, 0.4555



15.0206, 0.3285, 0.3356



11.7969, 0.6006, 0.3613



1.0248, 0.5719, 0.3841

Inverse Universe

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



40.1557, 0.2165, 0.2647



46.4019, 0.2054, 0.2492



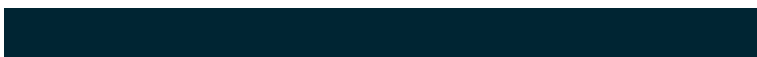
16.5188, 0.1872, 0.1471



15.6195, 0.2981, 0.3223



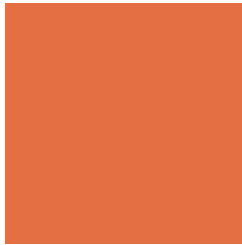
18.8298, 0.1988, 0.2357



1.5462, 0.2030, 0.2509

Previews

White Background



This preview shows how the Yxy color 28.0931, 0.5113, 0.3746 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 28.0931, 0.5113, 0.3746 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 28.0931, 0.5113, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 28.0931, 0.5113, 0.3746.



This preview shows how white text looks on a background with the Yxy color 28.0931, 0.5113, 0.3746.

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

28.0931, 0.5113, 0.3746

Protanopia

28.2602, 0.3974, 0.4326

Deuteranopia

28.2065, 0.4410, 0.4330



Tritanopia

27.9534, 0.4627, 0.3206

Trichromacy



Original Color

28.0931, 0.5113, 0.3746

Protanomaly

27.4464, 0.4391, 0.4105

Deuteranomaly

27.6565, 0.4684, 0.4097

Tritanomaly

27.8539, 0.4825, 0.3414

Monochromacy



Original Color

28.0931, 0.5113, 0.3746

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.9508, 0.3817, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0931, 0.5113, 0.3746 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(227, 111, 66)` looks like.

```
.text, #text, p{  
    color:rgb(227, 111, 66)  
}
```

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(227, 111, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 111, 66) }
```

Border

The CSS property to change the border of an element to Yxy 28.0931, 0.5113, 0.3746 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(227, 111, 66) }
```

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

```
.border{ border-color:rgb(227, 111, 66) }
```

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

Here you see how a box with a 4 pixel rgb(227, 111, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 111, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 111, 66);  
box-shadow:4px 4px 4px 4px rgb(227, 111,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0931, 0.5113, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 111, 66) }
```

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

```
.background{ background-color: rgb(227,  
111, 66) }
```

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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