

Converting Colors

$Y_{xy}(29.8786, 0.4911, 0.3578)$

Have a look what the booklet for
Yxy(29.8786, 0.4911, 0.3578)
contains.

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Color

Yxy(29.8786, 0.4911, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	E87257
RGB	232, 114, 87
RGB Percent	91%, 45%, 34%
CMY	0.0903, 0.5528, 0.6589
CMYK	0.00, 0.51, 0.63, 0.09
HSL	11°, 76%, 63%
HSV	11°, 63%, 91%
XYZ	41.0100, 29.8786, 12.6178
YIQ	146.2040, 78.9950, 16.6190

Conversions

Conversions Part 2

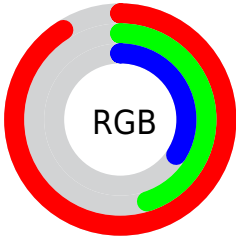
Format	Color
R_{YB}	232, 120, 87
Decimal	15233623
CIE _{Lab}	61.55, 43.56, 36.20
CIE _{LCh}	62, 56.635, 39.728
Yxy	29.8786, 0.4911, 0.3578
Android (android.graphics.Color)	4293423703 (0xFFE87257)
YUV	146.2040, -29.1876, 75.2431
Hunter-Lab	54.6613, 38.2635, 24.5766

Details

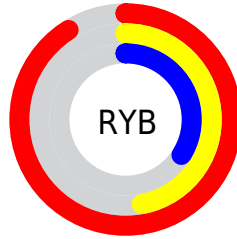
The Yxy color **29.8786, 0.4911, 0.3578** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **51.4787, 0.2291, 0.2926**, and the grayscale version is **28.9325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0714, 0.4232, 0.3617**, and **12.2564, 0.5473, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **25.7321, 0.5334, 0.3584**, and if you desaturate by 10%, it is **35.0283, 0.4505, 0.3548**.

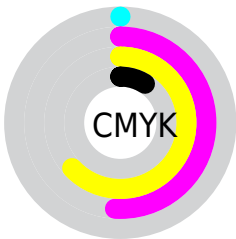
Distribution



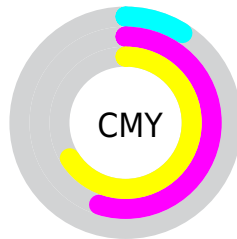
- Red (91%)
- Green (45%)
- Blue (34%)



- Red (91%)
- Yellow (47%)
- Blue (34%)



- Cyan (0%)
- Magenta (51%)
- Yellow (63%)
- Black (9%)





- Cyan (9%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8786, 0.4911, 0.3578 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 29.8786, 0.4911, 0.3578 by changing the saturation by 10% instead.


 29.8786, 0.4911,
0.3578


 29.8786, 0.4911,
0.3578


301.3382, 0.3959,
0.3494


 19.7465, 0.5156,
0.3571


 59.4701, 0.4556,
0.3567

 12.2109, 0.5470,
0.3542


 79.6983, 0.4425,
0.3556

 6.8875, 0.5875,
0.3467


 104.0607, 0.4316,
0.3545

 3.3918, 0.6558,
0.3375

 132.9415, 0.4222,
0.3534

 1.3396, 0.7082,
0.2918

 166.7253, 0.4142,
0.3523

 0.1715, 0.8825,
0.1175

205.7964, 0.4073,

 0.0000, 1.0000,

0.3513

0.0000

250.5392, 0.4013,
0.3503

0.0000, 0.0000,
0.0000

29.8786, 0.4911,
0.3578

29.8786, 0.4911,
0.3578

25.7321, 0.5334,
0.3584

35.0283, 0.4505,
0.3548

22.5174, 0.5731,
0.3558

41.2367, 0.4140,
0.3504

20.1610, 0.6050,
0.3499

48.5607, 0.3827,
0.3453

18.8994, 0.6220,
0.3443

57.0519, 0.3564,
0.3401

66.7586, 0.3346,
0.3350

■ 77.7263, 0.3167,
0.3301

■ 89.9982, 0.3019,
0.3257

■ 95.8918, 0.2987,
0.3290

Harmonies

Analogous

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



29.8786, 0.4467, 0.2957



29.8786, 0.4911, 0.3578



29.8786, 0.4767, 0.4226

Triad

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



29.8786, 0.4911, 0.3578



29.8786, 0.2522, 0.4461



29.8786, 0.2014, 0.1947

Complementary

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



29.8786, 0.4911, 0.3578



51.4787, 0.2291, 0.2926

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.



29.8786, 0.1664, 0.2099



29.8786, 0.4911, 0.3578



29.8786, 0.1902, 0.3461

Square

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



29.8786, 0.4911, 0.3578



29.8786, 0.3357, 0.4981



29.8786, 0.1620, 0.2591



29.8786, 0.2678, 0.2070

Rectangle

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



29.8786, 0.4911, 0.3578



29.8786, 0.4408, 0.4627



29.8786, 0.1620, 0.2591



29.8786, 0.1863, 0.1965

Sweetspot

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



29.8802, 0.4911, 0.3578



74.6438, 0.3485, 0.3383



28.3916, 0.3482, 0.2071



15.2650, 0.3551, 0.3398



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.



29.8802, 0.4911, 0.3578



30.6318, 0.5454, 0.3580



52.9829, 0.4308, 0.4342



14.8007, 0.3288, 0.3335



10.6285, 0.6197, 0.3462



0.9103, 0.5928, 0.3675

Inverse Universe

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



51.4787, 0.2291, 0.2926



59.1343, 0.2187, 0.2839



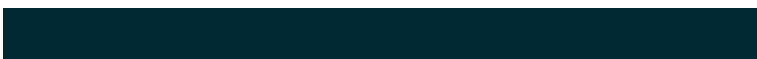
24.5964, 0.2049, 0.1876



15.8552, 0.2981, 0.3245



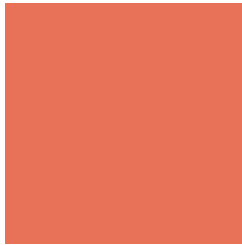
23.5474, 0.2079, 0.2683



1.8588, 0.2106, 0.2781

Previews

White Background



This preview shows how the Yxy color 29.8786, 0.4911, 0.3578 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 29.8786, 0.4911, 0.3578 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 29.8786, 0.4911, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 29.8786, 0.4911, 0.3578.



This preview shows how white text looks on a background with the Yxy color 29.8786, 0.4911, 0.3578.

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

29.8786, 0.4911, 0.3578

Protanopia

30.0964, 0.3755, 0.4043

Deuteranopia

29.8852, 0.4213, 0.4134



Tritanopia

29.9523, 0.4580, 0.3207

Trichromacy



Original Color

29.8786, 0.4911, 0.3578

Protanomaly

28.9993, 0.4174, 0.3860

Deuteranomaly

29.4064, 0.4477, 0.3914

Tritanomaly

29.7541, 0.4705, 0.3338

Monochromacy



Original Color

29.8786, 0.4911, 0.3578

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.8780, 0.3729, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8786, 0.4911, 0.3578 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(232, 114, 87)` looks like.

```
.text, #text, p{  
    color:rgb(232, 114, 87)  
}
```

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(232, 114, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 114, 87) }
```

Border

The CSS property to change the border of an element to Yxy 29.8786, 0.4911, 0.3578 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(232, 114, 87) }
```

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

```
.border{ border-color:rgb(232, 114, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 114, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 114, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 114, 87);  
box-shadow:4px 4px 4px 4px rgb(232, 114,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8786, 0.4911, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 114, 87) }
```

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

```
.background{ background-color: rgb(232,  
114, 87) }
```

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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