

Converting Colors

$Y_{xy}(30.2957, 0.5076, 0.3780)$

Have a look what the booklet for
Yxy(30.2957, 0.5076, 0.3780)
contains.

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Color

Yxy(30.2957, 0.5076, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	E87544
RGB	232, 117, 68
RGB Percent	91%, 46%, 27%
CMY	0.0902, 0.5411, 0.7334
CMYK	0.00, 0.50, 0.71, 0.09
HSL	18°, 78%, 59%
HSV	18°, 71%, 91%
XYZ	40.6828, 30.2957, 9.1689
YIQ	145.7990, 84.2690, 9.1410

Conversions

Conversions Part 2

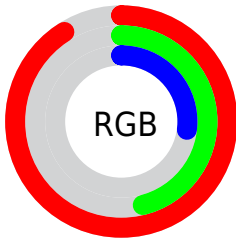
Format	Color
R _Y B	232, 138, 68
Decimal	15234372
CIE Lab	61.91, 41.00, 46.66
CIE LCh	62, 62.117, 48.695
Yxy	30.2957, 0.5076, 0.3780
Android (android.graphics.Color)	4293424452 (0xFFE87544)
YUV	145.7990, -38.3549, 75.5983
Hunter-Lab	55.0415, 35.6119, 28.6525

Details

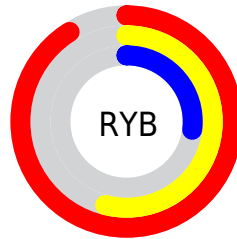
The Yxy color **30.2957, 0.5076, 0.3780** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **40.9093, 0.2154, 0.2602**, and the grayscale version is **28.7926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6938, 0.4383, 0.3836**, and **12.3737, 0.5635, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **26.6011, 0.5440, 0.3771**, and if you desaturate by 10%, it is **34.7642, 0.4703, 0.3750**.

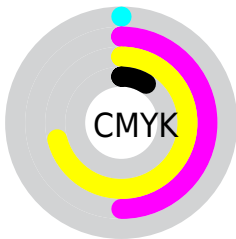
Distribution



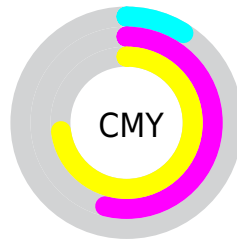
- Red (91%)
- Green (46%)
- Blue (27%)



- Red (91%)
- Yellow (54%)
- Blue (27%)



- Cyan (0%)
- Magenta (50%)
- Yellow (71%)
- Black (9%)




- Cyan (9%)
- Magenta (54%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2957, 0.5076, 0.3780 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 30.2957, 0.5076, 0.3780 by changing the saturation by 10% instead.

 30.2957, 0.5076,
0.3780


 30.2957, 0.5076,
0.3780


303.2804, 0.4057,
0.3618

 20.0631, 0.5324,
0.3780


 60.1295, 0.4705,
0.3748


 12.4410, 0.5630,
0.3753


 80.4995, 0.4565,
0.3728

 7.0447, 0.6018,
0.3677


 105.0175, 0.4447,
0.3707

 3.4901, 0.6504,
0.3496

 134.0678, 0.4346,
0.3687

 1.3926, 0.6962,
0.3038

 168.0349, 0.4258,
0.3668

 0.2113, 0.8560,
0.1440

207.3030, 0.4183,

 0.0000, 1.0000,

0.3650

0.0000

252.2567, 0.4116,
0.3633

0.0000, 0.0000,
0.0000

30.2957, 0.5076,
0.3780

30.2957, 0.5076,
0.3780

26.6011, 0.5440,
0.3771

34.7642, 0.4703,
0.3750

23.6272, 0.5757,
0.3714

40.0449, 0.4348,
0.3691

21.4550, 0.5989,
0.3627


46.1796, 0.4028,
0.3616

53.2051, 0.3749,
0.3534

61.1564, 0.3510,
0.3451

 70.0662, 0.3308,
0.3371

 79.9657, 0.3138,
0.3295

 90.8848, 0.2995,
0.3225

 95.8957, 0.2987,
0.3290

Harmonies

Analogous

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



30.2957, 0.4798, 0.3110



30.2957, 0.5076, 0.3780



30.2957, 0.4731, 0.4473

Triad

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



30.2957, 0.5076, 0.3780



30.2957, 0.2228, 0.4273



30.2957, 0.2105, 0.1863

Complementary

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



30.2957, 0.5076, 0.3780



40.9093, 0.2154, 0.2602

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.



30.2957, 0.1638, 0.1925



30.2957, 0.5076, 0.3780



30.2957, 0.1676, 0.3143

Square

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



30.2957, 0.5076, 0.3780



30.2957, 0.3077, 0.5071



30.2957, 0.1493, 0.2322



30.2957, 0.2910, 0.2072

Rectangle

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



30.2957, 0.5076, 0.3780



30.2957, 0.4264, 0.4885



30.2957, 0.1493, 0.2322



30.2957, 0.1912, 0.1851

Sweetspot

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



30.2973, 0.5076, 0.3780



75.3599, 0.3519, 0.3454



24.8126, 0.3754, 0.2110



15.5225, 0.3582, 0.3477



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.



30.2973, 0.5076, 0.3780



31.1101, 0.5598, 0.3750



57.2612, 0.4330, 0.4578



15.0667, 0.3285, 0.3361



12.1031, 0.5960, 0.3650



1.0524, 0.5673, 0.3878

Inverse Universe

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



40.9093, 0.2154, 0.2602



44.5545, 0.2038, 0.2433



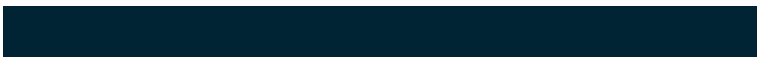
16.8582, 0.1865, 0.1439



15.5707, 0.2981, 0.3218



17.9379, 0.1969, 0.2288



1.4860, 0.2014, 0.2452

Previews

White Background



This preview shows how the Yxy color 30.2957, 0.5076, 0.3780 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 30.2957, 0.5076, 0.3780 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 30.2957, 0.5076, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 30.2957, 0.5076, 0.3780.



This preview shows how white text looks on a background with the Yxy color 30.2957, 0.5076, 0.3780.

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

30.2957, 0.5076, 0.3780

Protanopia

30.3765, 0.3976, 0.4339

Deuteranopia

30.4318, 0.4409, 0.4337



Tritanopia

30.3630, 0.4571, 0.3207

Trichromacy



Original Color

30.2957, 0.5076, 0.3780

Protanomaly

29.5038, 0.4381, 0.4124

Deuteranomaly

30.1169, 0.4664, 0.4122

Tritanomaly

30.2228, 0.4787, 0.3433

Monochromacy



Original Color

30.2957, 0.5076, 0.3780

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9831, 0.3806, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2957, 0.5076, 0.3780 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, 117, 68)` looks like.

```
.text, #text, p{  
    color:rgb(232, 117, 68)  
}
```

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, 117, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 117, 68) }
```

Border

The CSS property to change the border of an element to Yxy 30.2957, 0.5076, 0.3780 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, 117, 68) }
```

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

```
.border{ border-color:rgb(232, 117, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 117, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 117, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 117, 68);  
box-shadow:4px 4px 4px 4px rgb(232, 117,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2957, 0.5076, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 117, 68) }
```

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

```
.background{ background-color: rgb(232,  
117, 68) }
```

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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