

Converting Colors

$Y_{xy}(30.0029, 0.4876, 0.3602)$

Have a look what the booklet for
Yxy(30.0029, 0.4876, 0.3602)
contains.

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Color

Yxy(30.0019, 0.4876, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	E67457
RGB	230, 116, 87
RGB Percent	90%, 45%, 34%
CMY	0.0980, 0.5451, 0.6589
CMYK	0.00, 0.50, 0.62, 0.10
HSL	12°, 74%, 62%
HSV	12°, 62%, 90%
XYZ	40.6021, 30.0019, 12.6652
YIQ	146.7800, 77.2530, 15.1490

Conversions

Conversions Part 2

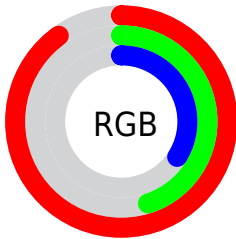
Format	Color
R_{YB}	230, 123, 87
Decimal	15103063
CIE _{Lab}	61.66, 41.84, 36.26
CIE _{LCh}	62, 55.367, 40.912
Yxy	30.0019, 0.4876, 0.3603
Android (android.graphics.Color)	4293293143 (0xFFE67457)
YUV	146.7800, -29.4715, 72.9839
Hunter-Lab	54.7740, 36.4614, 24.6323

Details

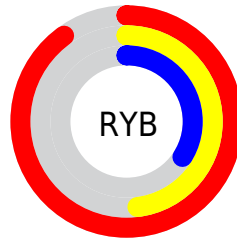
The Yxy color **30.0019, 0.4876, 0.3603** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **49.5162, 0.2287, 0.2896**, and the grayscale version is **29.1821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8156, 0.4221, 0.3638**, and **12.2550, 0.5428, 0.3580** is the 20% darker color. If you saturate the color by 10%, you get **25.8675, 0.5292, 0.3612**, and if you desaturate by 10%, it is **35.0936, 0.4478, 0.3569**.

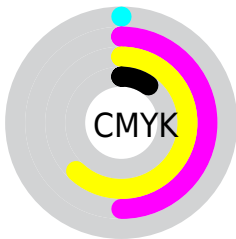
Distribution



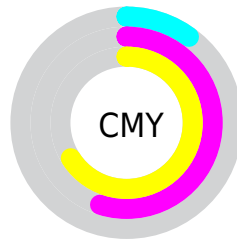
- Red (90%)
- Green (45%)
- Blue (34%)



- Red (90%)
- Yellow (48%)
- Blue (34%)



- Cyan (0%)
- Magenta (50%)
- Yellow (62%)
- Black (10%)





- Cyan (10%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0019, 0.4876, 0.3603 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 30.0019, 0.4876, 0.3603 by changing the saturation by 10% instead.


 30.0019, 0.4876,
0.3603


 30.0019, 0.4876,
0.3603


301.9133, 0.3943,
0.3504

 19.8400, 0.5117,
0.3600


 59.6652, 0.4529,
0.3586

 12.2788, 0.5424,
0.3578


 79.9354, 0.4400,
0.3573


 6.9339, 0.5821,
0.3512


 104.3438, 0.4293,
0.3560

 3.4208, 0.6492,
0.3433

 133.2749, 0.4201,
0.3548

 1.3552, 0.7009,
0.2991

 167.1130, 0.4123,
0.3536

 0.1833, 0.8719,
0.1281

206.2425, 0.4055,

 0.0000, 1.0000,

0.3525

0.0000

251.0478, 0.3996,
0.3514

0.0000, 0.0000,
0.0000

30.0019, 0.4876,
0.3603

30.0019, 0.4876,
0.3603

25.8675, 0.5292,
0.3612

35.0936, 0.4478,
0.3569

22.6243, 0.5687,
0.3588

41.1932, 0.4120,
0.3521

20.2053, 0.6008,
0.3528

48.3537, 0.3813,
0.3465

18.8306, 0.6192,
0.3466

56.6227, 0.3554,
0.3408

66.0450, 0.3339,
0.3353

■ 76.6627, 0.3162,
0.3301

■ 88.5161, 0.3015,
0.3253

■ 95.5654, 0.2976,
0.3290

Harmonies

Analogous

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



30.0019, 0.4462, 0.2989



30.0019, 0.4876, 0.3603



30.0019, 0.4718, 0.4238

Triad

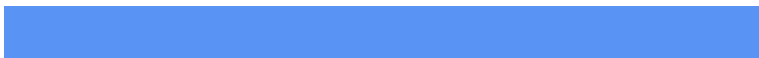
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.0019, 0.4876, 0.3603



30.0019, 0.2509, 0.4396



30.0019, 0.2057, 0.1973

Complementary

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



30.0019, 0.4876, 0.3603



49.5162, 0.2287, 0.2896

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.



30.0019, 0.1699, 0.2113



30.0019, 0.4876, 0.3603



30.0019, 0.1910, 0.3420

Square

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



30.0019, 0.4876, 0.3603



30.0019, 0.3323, 0.4932



30.0019, 0.1645, 0.2583



30.0019, 0.2721, 0.2103

Rectangle

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



30.0019, 0.4876, 0.3603



30.0019, 0.4360, 0.4624



30.0019, 0.1645, 0.2583



30.0019, 0.1903, 0.1987

Sweetspot

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



30.0035, 0.4876, 0.3603



75.0479, 0.3484, 0.3391



27.8764, 0.3508, 0.2097



15.3610, 0.3550, 0.3407



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.



30.0035, 0.4876, 0.3603



31.2363, 0.5425, 0.3608



53.0995, 0.4283, 0.4361



14.8390, 0.3287, 0.3338



10.7983, 0.6168, 0.3485



0.9284, 0.5893, 0.3703

Inverse Universe

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



49.5162, 0.2287, 0.2896



57.5217, 0.2177, 0.2797



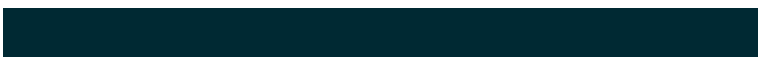
23.6776, 0.2047, 0.1851



15.8138, 0.2981, 0.3241



22.6691, 0.2063, 0.2627



1.8012, 0.2093, 0.2735

Previews

White Background



This preview shows how the Yxy color 30.0019, 0.4876, 0.3603 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 30.0019, 0.4876, 0.3603 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 30.0019, 0.4876, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 30.0019, 0.4876, 0.3603.



This preview shows how white text looks on a background with the Yxy color 30.0019, 0.4876, 0.3603.

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

30.0019, 0.4876, 0.3603

Protanopia

30.0964, 0.3755, 0.4043

Deuteranopia

30.0225, 0.4214, 0.4118



Tritanopia

30.0761, 0.4535, 0.3217

Trichromacy



Original Color

30.0019, 0.4876, 0.3603

Protanomaly

29.2823, 0.4167, 0.3873

Deuteranomaly

29.6945, 0.4458, 0.3915

Tritanomaly

29.8607, 0.4672, 0.3360

Monochromacy



Original Color

30.0019, 0.4876, 0.3603

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.4361, 0.3720, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0019, 0.4876, 0.3603 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(230, 116, 87)` looks like.

```
.text, #text, p{  
    color:rgb(230, 116, 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(230, 116, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 116, 87) }
```

Border

The CSS property to change the border of an element to Yxy 30.0019, 0.4876, 0.3603 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(230, 116, 87) }
```

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

```
.border{ border-color:rgb(230, 116, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 116, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 116, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 116, 87);  
box-shadow:4px 4px 4px 4px rgb(230, 116,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0019, 0.4876, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 116, 87) }
```

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

```
.background{ background-color: rgb(230,  
116, 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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