

# Converting Colors

$Y_{xy}(30.2813, 0.5032, 0.3666)$

Have a look what the booklet for  
Yxy(30.2813, 0.5032, 0.3666)  
contains.

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# Color

**Yxy(30.2326, 0.5044, 0.3664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB724D
RGB	235, 114, 77
RGB Percent	92%, 45%, 30%
CMY	0.0784, 0.5529, 0.6981
CMYK	0.00, 0.51, 0.67, 0.08
HSL	14°, 80%, 61%
HSV	14°, 67%, 92%
XYZ	41.6193, 30.2326, 10.6606
YIQ	145.9610, 83.9930, 14.1450

# Conversions

## Conversions Part 2

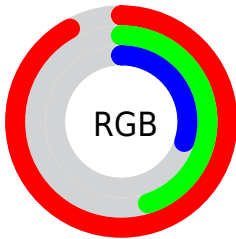
Format	Color
<a href="#">RYB</a>	<a href="#">235, 125, 77</a>
Decimal	<a href="#">15430221</a>
CIELab	<a href="#">61.85, 44.10, 42.05</a>
CIELCh	<a href="#">62, 60.939, 43.635</a>
Yxy	<a href="#">30.2326, 0.5044, 0.3664</a>
Android (android.graphics.Color)	<a href="#">4293620301 (0xFFEB724D)</a>
YUV	<a href="#">145.9610, -33.9978, 78.0872</a>
Hunter-Lab	<a href="#">54.9842, 38.8902, 26.9935</a>

# Details

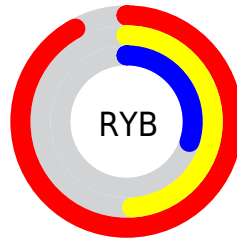
The Yxy color **30.2326, 0.5044, 0.3664** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **47.9606, 0.2223, 0.2788**, and the grayscale version is **28.8443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7976, 0.4323, 0.3718**, and **12.4232, 0.5607, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **26.2919, 0.5443, 0.3660**, and if you desaturate by 10%, it is **35.0951, 0.4645, 0.3636**.

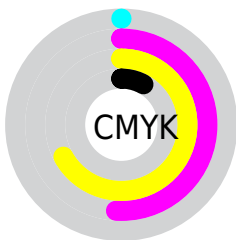
# Distribution



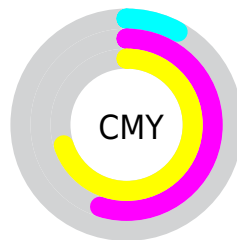
- Red (92%)
- Green (45%)
- Blue (30%)



- Red (92%)
- Yellow (49%)
- Blue (30%)



- Cyan (0%)
- Magenta (51%)
- Yellow (67%)
- Black (8%)




- Cyan (8%)
- Magenta (55%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2326, 0.5044, 0.3664 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 30.2326, 0.5044, 0.3664 by changing the saturation by 10% instead.





 30.2326, 0.5044,  
0.3664


 30.2326, 0.5044,  
0.3664


302.9872, 0.4032,  
0.3552


 20.0152, 0.5297,  
0.3657


 60.0298, 0.4672,  
0.3647

 12.4061, 0.5613,  
0.3623


 80.3784, 0.4533,  
0.3634

 7.0209, 0.6011,  
0.3536


 104.8729, 0.4416,  
0.3619

 3.4752, 0.6608,  
0.3392

 133.8977, 0.4316,  
0.3604

 1.3845, 0.7084,  
0.2916

 167.8371, 0.4230,  
0.3590

 0.2053, 0.8679,  
0.1321

207.0755, 0.4155,

 0.0000, 1.0000,

0.3577

0.0000

251.9974, 0.4090,  
0.3564

■ 0.0000, 0.0000,  
0.0000

■ 30.2326, 0.5044,  
0.3664

■ 30.2326, 0.5044,  
0.3664

■ 26.2919, 0.5443,  
0.3660

■ 35.0951, 0.4645,  
0.3636

■ 23.2074, 0.5800,  
0.3616

■ 40.9292, 0.4276,  
0.3586

■ 20.9109, 0.6071,  
0.3535

■ 47.7870, 0.3952,  
0.3525


■ 20.4003, 0.6134,  
0.3512

■ 55.7153, 0.3674,  
0.3460

■ 64.7577, 0.3441,  
0.3395

 74.9557, 0.3247,  
0.3332

 86.3485, 0.3086,  
0.3275

 96.4034, 0.3005,  
0.3290

# Harmonies

## Analogous

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



30.2326, 0.4657, 0.3009



30.2326, 0.5044, 0.3664



30.2326, 0.4800, 0.4348

# Triad

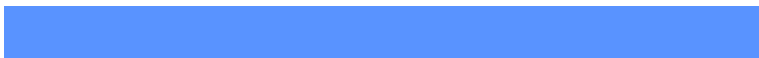
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.2326, 0.5044, 0.3664



30.2326, 0.2371, 0.4430



30.2326, 0.2020, 0.1874

# Complementary

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



30.2326, 0.5044, 0.3664



47.9606, 0.2223, 0.2788

# 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.



30.2326, 0.1613, 0.1987



30.2326, 0.5044, 0.3664



30.2326, 0.1765, 0.3324

# Square

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



30.2326, 0.5044, 0.3664



30.2326, 0.3236, 0.5087



30.2326, 0.1523, 0.2446



30.2326, 0.2760, 0.2038



# Rectangle

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



30.2326, 0.5044, 0.3664



30.2326, 0.4380, 0.4771



30.2326, 0.1523, 0.2446



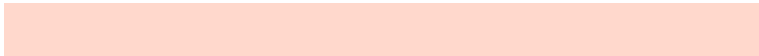
30.2326, 0.1848, 0.1878

# Sweetspot

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



30.2342, 0.5044, 0.3664



74.7038, 0.3503, 0.3413



27.0530, 0.3613, 0.2074



15.3260, 0.3568, 0.3431



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.



30.2342, 0.5044, 0.3664



29.9956, 0.5598, 0.3647



56.2809, 0.4339, 0.4469



15.6267, 0.3287, 0.3346



11.5149, 0.6108, 0.3532



1.0482, 0.5841, 0.3744



# Inverse Universe

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



47.9606, 0.2223, 0.2788



52.2999, 0.2114, 0.2664



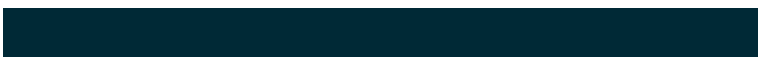
20.7996, 0.1946, 0.1641



16.4889, 0.2981, 0.3234



21.6996, 0.2032, 0.2516



1.8485, 0.2066, 0.2636



# Previews

## White Background



This preview shows how the Yxy color 30.2326, 0.5044, 0.3664 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 30.2326, 0.5044, 0.3664 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 30.2326, 0.5044, 0.3664**

## Background



This preview shows how black text looks on a background with the Yxy color 30.2326, 0.5044, 0.3664.



This preview shows how white text looks on a background with the Yxy color 30.2326, 0.5044, 0.3664.

# 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

30.2326, 0.5044, 0.3664

### Protanopia

30.4265, 0.3876, 0.4209

### Deuteranopia

30.4141, 0.4326, 0.4249



## Tritanopia

30.2028, 0.4642, 0.3220

# Trichromacy



**Original Color**

30.2326, 0.5044, 0.3664

**Protanomaly**

29.4943, 0.4304, 0.3990

**Deuteranomaly**

29.6801, 0.4606, 0.4011

**Tritanomaly**

30.1611, 0.4796, 0.3390

# Monochromacy



**Original Color**

30.2326, 0.5044, 0.3664

**Achromatopsia**

28.7441, 0.3127, 0.3290

**Achromatomaly**

27.8956, 0.3787, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.2326, 0.5044, 0.3664 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(235, 114, 77)` looks like.

```
.text, #text, p{  
  color:rgb(235, 114, 77)  
}
```

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(235, 114, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 114, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 30.2326, 0.5044, 0.3664 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(235, 114, 77) }
```

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

```
.border{ border-color:rgb(235, 114, 77) }
```

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

Here you see how a box with a 4 pixel rgb(235, 114, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 114, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 114, 77);  
box-shadow:4px 4px 4px 4px rgb(235, 114,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.2326, 0.5044, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 114, 77) }
```

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

```
.background{ background-color: rgb(235,  
114, 77) }
```

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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