

Converting Colors

$Y_{xy}(28.4204, 0.5237, 0.3626)$

Have a look what the booklet for
Yxy(28.4204, 0.5237, 0.3626)
contains.

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Color

Yxy(28.3348, 0.5235, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	ED6845
RGB	237, 104, 69
RGB Percent	93%, 41%, 27%
CMY	0.0705, 0.5922, 0.7294
CMYK	0.00, 0.56, 0.71, 0.07
HSL	12°, 82%, 60%
HSV	12°, 71%, 93%
XYZ	40.9533, 28.3348, 8.9417
YIQ	139.7770, 90.5030, 17.3110

Conversions

Conversions Part 2

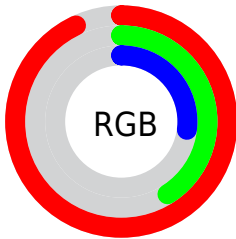
Format	Color
R _Y B	237, 113, 69
Decimal	15558725
CIE Lab	60.19, 49.24, 44.43
CIE LCh	60, 66.323, 42.059
Yxy	28.3348, 0.5235, 0.3622
Android (android.graphics.Color)	4293748805 (0xFFED6845)
YUV	139.7770, -34.8931, 85.2646
Hunter-Lab	53.2304, 44.1771, 27.3018

Details

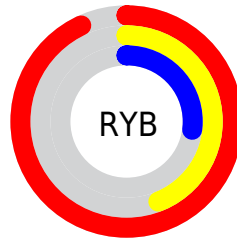
The Yxy color **28.3348, 0.5235, 0.3622** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **49.6331, 0.2206, 0.2817**, and the grayscale version is **26.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3882, 0.4452, 0.3704**, and **11.3378, 0.5850, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **24.7320, 0.5633, 0.3602**, and if you desaturate by 10%, it is **32.8987, 0.4820, 0.3609**.

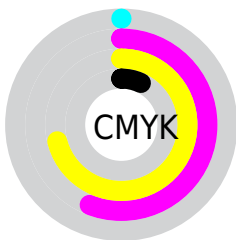
Distribution



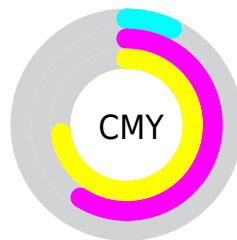
- Red (93%)
- Green (41%)
- Blue (27%)



- Red (93%)
- Yellow (44%)
- Blue (27%)



- Cyan (0%)
- Magenta (56%)
- Yellow (71%)
- Black (7%)





- Cyan (7%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3348, 0.5235, 0.3622 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 28.3348, 0.5235, 0.3622 by changing the saturation by 10% instead.


 28.3348, 0.5235,
0.3622


 28.3348, 0.5235,
0.3622


294.0633, 0.4119,
0.3550


 18.5782, 0.5512,
0.3597


 57.0185, 0.4825,
0.3626

 11.3659, 0.5854,
0.3535


 76.7144, 0.4672,
0.3617


 6.3135, 0.6298,
0.3414


 100.4922, 0.4542,
0.3607

 3.0366, 0.6840,
0.3160

 128.7363, 0.4432,
0.3595

 1.1509, 0.7379,
0.2621

 161.8310, 0.4337,
0.3583

 0.0210, 0.9839,
0.0161

200.1608, 0.4255,

 0.0000, 1.0000,

0.3572

0.0000

244.1101, 0.4182,
0.3561

■ 0.0000, 0.0000,
0.0000

■ 28.3348, 0.5235,
0.3622

■ 28.3348, 0.5235,
0.3622

■ 24.7320, 0.5633,
0.3602

■ 32.8987, 0.4820,
0.3609

■ 22.0143, 0.5966,
0.3545


■ 38.4827, 0.4428,
0.3571


■ 20.2338, 0.6184,
0.3472


■ 45.1464, 0.4077,
0.3520


■ 52.9434, 0.3777,
0.3463

■ 61.9236, 0.3524,
0.3404

 72.1340, 0.3314,
0.3348

 83.6189, 0.3141,
0.3295

 96.1853, 0.3017,
0.3281

 96.7469, 0.3017,
0.3290

Harmonies

Analogous

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



28.3348, 0.4784, 0.2931



28.3348, 0.5235, 0.3622



28.3348, 0.4970, 0.4363

Triad

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



28.3348, 0.5235, 0.3622



28.3348, 0.2323, 0.4636



28.3348, 0.1886, 0.1753

Complementary

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



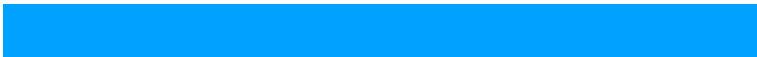
28.3348, 0.5235, 0.3622



49.6331, 0.2206, 0.2817

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.



28.3348, 0.1475, 0.1881



28.3348, 0.5235, 0.3622



28.3348, 0.1658, 0.3376

Square

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



28.3348, 0.5235, 0.3622



28.3348, 0.3268, 0.5318



28.3348, 0.1392, 0.2385



28.3348, 0.2664, 0.1916

Rectangle

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



28.3348, 0.5235, 0.3622



28.3348, 0.4509, 0.4849



28.3348, 0.1392, 0.2385



28.3348, 0.1710, 0.1761

Sweetspot

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



28.3364, 0.5235, 0.3622



72.8870, 0.3529, 0.3405



26.5954, 0.3578, 0.1987



14.9427, 0.3594, 0.3421



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.



28.3364, 0.5235, 0.3622



27.6480, 0.5792, 0.3581



53.8127, 0.4449, 0.4459



15.5623, 0.3288, 0.3340



11.1973, 0.6159, 0.3492



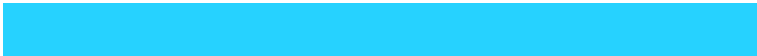
1.0147, 0.5899, 0.3698

Inverse Universe

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



49.6331, 0.2206, 0.2817



53.6606, 0.2112, 0.2706



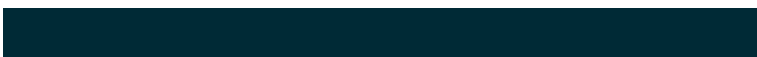
20.6717, 0.1907, 0.1616



16.5582, 0.2981, 0.3240



23.0867, 0.2058, 0.2607



1.9464, 0.2087, 0.2713

Previews

White Background



This preview shows how the Yxy color 28.3348, 0.5235, 0.3622 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 28.3348, 0.5235, 0.3622 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 28.3348, 0.5235, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 28.3348, 0.5235, 0.3622.



This preview shows how white text looks on a background with the Yxy color 28.3348, 0.5235, 0.3622.

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

28.3348, 0.5235, 0.3622

Protanopia

28.6559, 0.3912, 0.4257

Deuteranopia

28.3376, 0.4413, 0.4314



Tritanopia

28.3150, 0.4857, 0.3224

Trichromacy



Original Color

28.3348, 0.5235, 0.3622

Protanomaly

27.4740, 0.4405, 0.4004

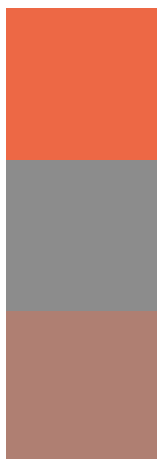
Deuteranomaly

27.7094, 0.4729, 0.4035

Tritanomaly

28.2748, 0.5001, 0.3375

Monochromacy



Original Color

28.3348, 0.5235, 0.3622

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.5076, 0.3869, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3348, 0.5235, 0.3622 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(237, 104, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 104, 69)  
}
```

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(237, 104, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 104, 69) }
```

Border

The CSS property to change the border of an element to Yxy 28.3348, 0.5235, 0.3622 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(237, 104, 69) }
```

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

```
.border{ border-color:rgb(237, 104, 69) }
```

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

Here you see how a box with a 4 pixel rgb(237, 104, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 104, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 104, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 104,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3348, 0.5235, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 104, 69) }
```

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

```
.background{ background-color: rgb(237,  
104, 69) }
```

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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