

Converting Colors

$Y_{xy}(27.3355, 0.5201, 0.3577)$

Have a look what the booklet for
Yxy(27.3355, 0.5201, 0.3577)
contains.

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Color

Yxy(27.4630, 0.5200, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	EA6648
RGB	234, 102, 72
RGB Percent	92%, 40%, 28%
CMY	0.0823, 0.6000, 0.7177
CMYK	0.00, 0.56, 0.69, 0.08
HSL	11°, 79%, 60%
HSV	11°, 69%, 92%
XYZ	39.8570, 27.4630, 9.3281
YIQ	138.0480, 88.3020, 18.6540

Conversions

Conversions Part 2

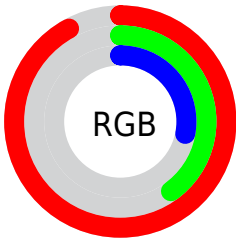
Format	Color
R_{YB}	234, 109, 72
Decimal	15361608
CIE _{Lab}	59.40, 49.25, 41.83
CIE _{LCh}	59, 64.615, 40.348
Yxy	27.4630, 0.5200, 0.3583
Android (android.graphics.Color)	4293551688 (0xFFEA6648)
YUV	138.0480, -32.5617, 84.1499
Hunter-Lab	52.4052, 44.0500, 26.1300

Details

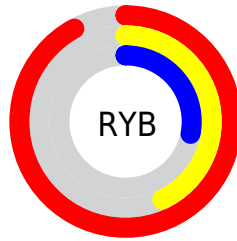
The Yxy color **27.4630, 0.5200, 0.3583** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **50.5090, 0.2233, 0.2883**, and the grayscale version is **25.5355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4421, 0.4443, 0.3643**, and **10.9591, 0.5824, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **23.8888, 0.5612, 0.3568**, and if you desaturate by 10%, it is **32.0183, 0.4778, 0.3569**.

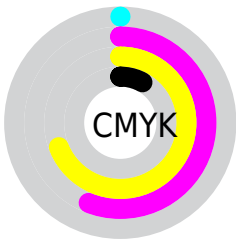
Distribution



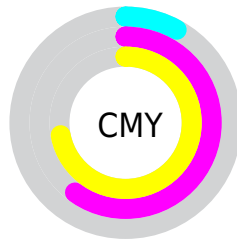
- Red (92%)
- Green (40%)
- Blue (28%)



- Red (92%)
- Yellow (43%)
- Blue (28%)



- Cyan (0%)
- Magenta (56%)
- Yellow (69%)
- Black (8%)





- Cyan (8%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4630, 0.5200, 0.3583 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 27.4630, 0.5200, 0.3583 by changing the saturation by 10% instead.


 27.4630, 0.5200,
0.3583


 27.4630, 0.5200,
0.3583


289.8919, 0.4092,
0.3524


 17.9213, 0.5480,
0.3557


 55.6259, 0.4790,
0.3589

 10.8935, 0.5830,
0.3495


 75.0159, 0.4637,
0.3583

 5.9952, 0.6282,
0.3370

 98.4575, 0.4509,
0.3574

 2.8422, 0.6875,
0.3125

 126.3349, 0.4400,
0.3564

 1.0499, 0.7434,
0.2566

 159.0327, 0.4307,
0.3554

 0.0000, 1.0000,
0.0000

196.9352, 0.4226,

 0.0000, 0.0000,

0.3543

0.0000

240.4268, 0.4155,
0.3533

■ 27.4630, 0.5200,
0.3583

■ 27.4630, 0.5200,
0.3583

■ 23.8888, 0.5612,
0.3568

■ 32.0183, 0.4778,
0.3569

■ 21.2172, 0.5961,
0.3519

■ 37.6160, 0.4382,
0.3534

■ 19.3602, 0.6207,
0.3446

■ 44.3180, 0.4033,
0.3487

■ 19.2482, 0.6223,
0.3441


■ 52.1797, 0.3737,
0.3435

■ 61.2527, 0.3489,
0.3383

 71.5857, 0.3284,
0.3333

 83.2245, 0.3115,
0.3287

 95.9394, 0.2999,
0.3285

 96.2356, 0.2999,
0.3290

Harmonies

Analogous

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



27.4630, 0.4713, 0.2901



27.4630, 0.5200, 0.3583



27.4630, 0.4979, 0.4314

Triad

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



27.4630, 0.5200, 0.3583



27.4630, 0.2385, 0.4674



27.4630, 0.1869, 0.1770

Complementary

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



27.4630, 0.5200, 0.3583



50.5090, 0.2233, 0.2883

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.



27.4630, 0.1480, 0.1917



27.4630, 0.5200, 0.3583



27.4630, 0.1705, 0.3446

Square

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



27.4630, 0.5200, 0.3583



27.4630, 0.3327, 0.5292



27.4630, 0.1418, 0.2442



27.4630, 0.2618, 0.1915

Rectangle

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



27.4630, 0.5200, 0.3583



27.4630, 0.4541, 0.4795



27.4630, 0.1418, 0.2442



27.4630, 0.1701, 0.1784

Sweetspot

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



27.4645, 0.5200, 0.3583



72.2696, 0.3531, 0.3393



26.5028, 0.3531, 0.1983



14.7984, 0.3598, 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.



27.4645, 0.5200, 0.3583



27.5545, 0.5767, 0.3552



51.7097, 0.4441, 0.4417



15.5053, 0.3288, 0.3334



10.9472, 0.6201, 0.3459



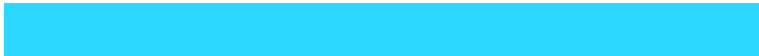
0.9872, 0.5948, 0.3659

Inverse Universe

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



50.5090, 0.2233, 0.2883



56.7517, 0.2140, 0.2788



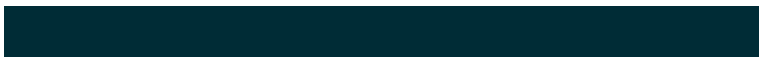
21.5578, 0.1942, 0.1699



16.6199, 0.2981, 0.3245



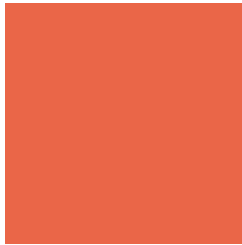
24.3676, 0.2080, 0.2687



2.0362, 0.2106, 0.2780

Previews

White Background



This preview shows how the Yxy color 27.4630, 0.5200, 0.3583 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 27.4630, 0.5200, 0.3583 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 27.4630, 0.5200, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 27.4630, 0.5200, 0.3583.



This preview shows how white text looks on a background with the Yxy color 27.4630, 0.5200, 0.3583.

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

27.4630, 0.5200, 0.3583

Protanopia

27.7865, 0.3863, 0.4200

Deuteranopia

27.7380, 0.4357, 0.4276



Tritanopia

27.5677, 0.4863, 0.3233

Trichromacy



Original Color

27.4630, 0.5200, 0.3583

Protanomaly

26.6089, 0.4358, 0.3952

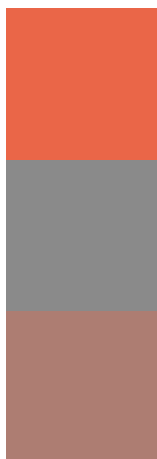
Deuteranomaly

26.8384, 0.4682, 0.3984

Tritanomaly

27.3586, 0.5002, 0.3366

Monochromacy



Original Color

27.4630, 0.5200, 0.3583

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.7664, 0.3855, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4630, 0.5200, 0.3583 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(234, 102, 72)` looks like.

```
.text, #text, p{  
    color:rgb(234, 102, 72)  
}
```

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(234, 102, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 102, 72) }
```

Border

The CSS property to change the border of an element to Yxy 27.4630, 0.5200, 0.3583 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(234, 102, 72) }
```

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

```
.border{ border-color:rgb(234, 102, 72) }
```

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

Here you see how a box with a 4 pixel rgb(234, 102, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 102, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 102, 72);  
box-shadow:4px 4px 4px 4px rgb(234, 102,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4630, 0.5200, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 102, 72) }
```

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

```
.background{ background-color: rgb(234,  
102, 72) }
```

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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