

Converting Colors

$Y_{xy}(27.8316, 0.5255, 0.3834)$

Have a look what the booklet for
Yxy(27.8316, 0.5255, 0.3834)
contains.

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Color

Yxy(27.8938, 0.5253, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	E46E34
RGB	228, 110, 52
RGB Percent	89%, 43%, 20%
CMY	0.1059, 0.5686, 0.7962
CMYK	0.00, 0.52, 0.77, 0.11
HSL	20°, 77%, 55%
HSV	20°, 77%, 89%
XYZ	38.1877, 27.8938, 6.6154
YIQ	138.6700, 88.9460, 6.9780

Conversions

Conversions Part 2

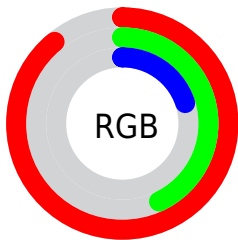
Format	Color
R _Y B	228, 139, 52
Decimal	14970420
CIE Lab	59.79, 42.26, 52.05
CIE LCh	60, 67.044, 50.931
Yxy	27.8938, 0.5253, 0.3837
Android (android.graphics.Color)	4293160500 (0xFFE46E34)
YUV	138.6700, -42.7283, 78.3424
Hunter-Lab	52.8146, 36.6392, 29.5437

Details

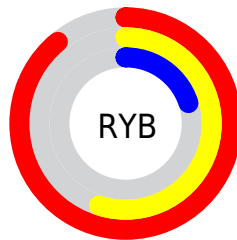
The Yxy color **27.8938, 0.5253, 0.3837** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **35.0549, 0.2076, 0.2444**, and the grayscale version is **25.8274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7702, 0.4565, 0.3912**, and **11.1331, 0.5822, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **24.7189, 0.5579, 0.3801**, and if you desaturate by 10%, it is **31.7394, 0.4897, 0.3826**.

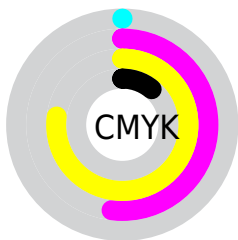
Distribution



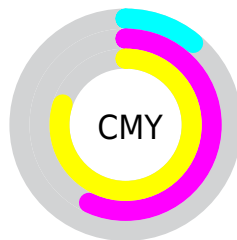
- Red (89%)
- Green (43%)
- Blue (20%)



- Red (89%)
- Yellow (55%)
- Blue (20%)



- Cyan (0%)
- Magenta (52%)
- Yellow (77%)
- Black (11%)





- Cyan (11%)
- Magenta (57%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8938, 0.5253, 0.3837 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 27.8938, 0.5253, 0.3837 by changing the saturation by 10% instead.


 27.8938, 0.5253,
0.3837


 27.8938, 0.5253,
0.3837


291.9591, 0.4144,
0.3670


 18.2456, 0.5515,
0.3825

 56.3148, 0.4854,
0.3813

 11.1265, 0.5829,
0.3774


 75.8565, 0.4702,
0.3792

 6.1520, 0.6298,
0.3702

 99.4648, 0.4572,
0.3770

 2.9377, 0.6627,
0.3373

 127.5240, 0.4461,
0.3748

 1.0993, 0.7141,
0.2859

 160.4187, 0.4365,
0.3726

 0.0000, 1.0000,
0.0000

 198.5332, 0.4282,

 0.0000, 0.0000,

0.3706

0.0000

242.2519, 0.4209,
0.3687

■ 27.8938, 0.5253,
0.3837

■ 27.8938, 0.5253,
0.3837

■ 24.7189, 0.5579,
0.3801

■ 31.7394, 0.4897,
0.3826

■ 22.1644, 0.5844,
0.3716


■ 36.2908, 0.4542,
0.3777

■ 21.5505, 0.5910,
0.3689

■ 41.5857, 0.4210,
0.3704


■ 47.6573, 0.3913,
0.3618

■ 54.5370, 0.3654,
0.3526

 62.2539, 0.3433,
0.3436

 70.8360, 0.3245,
0.3349

 80.3098, 0.3085,
0.3268

 90.5611, 0.2963,
0.3215

Harmonies

Analogous

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



27.8938, 0.5024, 0.3123



27.8938, 0.5253, 0.3837



27.8938, 0.4805, 0.4595

Triad

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



27.8938, 0.5253, 0.3837



27.8938, 0.2070, 0.4297



27.8938, 0.2062, 0.1755

Complementary

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



27.8938, 0.5253, 0.3837



35.0549, 0.2076, 0.2444

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.



27.8938, 0.1542, 0.1791



27.8938, 0.5253, 0.3837



27.8938, 0.1518, 0.3025

Square

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



27.8938, 0.5253, 0.3837



27.8938, 0.2969, 0.5258



27.8938, 0.1362, 0.2172



27.8938, 0.2959, 0.1998

Rectangle

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



27.8938, 0.5253, 0.3837



27.8938, 0.4268, 0.5059



27.8938, 0.1362, 0.2172



27.8938, 0.1848, 0.1734

Sweetspot

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



27.8953, 0.5253, 0.3837



74.2161, 0.3560, 0.3489



21.9329, 0.3917, 0.2112



15.1348, 0.3644, 0.3522



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.



27.8953, 0.5253, 0.3837



29.6805, 0.5756, 0.3752



56.0925, 0.4368, 0.4686



15.1405, 0.3284, 0.3368



12.6388, 0.5882, 0.3711



1.0991, 0.5598, 0.3937

Inverse Universe

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



35.0549, 0.2076, 0.2444



38.7072, 0.1964, 0.2238



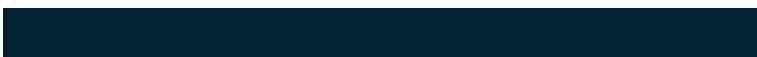
12.7069, 0.1752, 0.1197



15.4933, 0.2981, 0.3211



16.5785, 0.1938, 0.2177



1.3934, 0.1989, 0.2359

Previews

White Background



This preview shows how the Yxy color 27.8938, 0.5253, 0.3837 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 27.8938, 0.5253, 0.3837 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 27.8938, 0.5253, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 27.8938, 0.5253, 0.3837.



This preview shows how white text looks on a background with the Yxy color 27.8938, 0.5253, 0.3837.

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

27.8938, 0.5253, 0.3837

Protanopia

28.1757, 0.4110, 0.4507

Deuteranopia

27.8969, 0.4544, 0.4455



Tritanopia

28.0373, 0.4681, 0.3218

Trichromacy



Original Color

27.8938, 0.5253, 0.3837

Protanomaly

27.1223, 0.4545, 0.4248

Deuteranomaly

27.3897, 0.4822, 0.4207

Tritanomaly

27.8692, 0.4925, 0.3464

Monochromacy



Original Color

27.8938, 0.5253, 0.3837

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.1578, 0.3900, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8938, 0.5253, 0.3837 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(228, 110, 52)` looks like.

```
.text, #text, p{  
    color:rgb(228, 110, 52)  
}
```

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(228, 110, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 110, 52) }
```

Border

The CSS property to change the border of an element to Yxy 27.8938, 0.5253, 0.3837 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(228, 110, 52) }
```

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

```
.border{ border-color:rgb(228, 110, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 110, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 110, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 110, 52);  
box-shadow:4px 4px 4px 4px rgb(228, 110,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8938, 0.5253, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 110, 52) }
```

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

```
.background{ background-color: rgb(228,  
110, 52) }
```

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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