

Converting Colors

$Y_{xy}(27.5071, 0.5380, 0.3853)$

Have a look what the booklet for
Yxy(27.5071, 0.5380, 0.3853)
contains.

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Color

Yxy(27.5056, 0.5373, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	E66B2A
RGB	230, 107, 42
RGB Percent	90%, 42%, 16%
CMY	0.0981, 0.5803, 0.8352
CMYK	0.00, 0.53, 0.82, 0.10
HSL	21°, 79%, 53%
HSV	21°, 82%, 90%
XYZ	38.3068, 27.5056, 5.4826
YIQ	136.3670, 94.1730, 5.8610

Conversions

Conversions Part 2

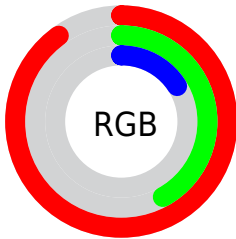
Format	Color
R _Y B	230, 141, 42
Decimal	15100714
CIE Lab	59.44, 44.16, 56.21
CIE LCh	59, 71.486, 51.847
Yxy	27.5056, 0.5373, 0.3858
Android (android.graphics.Color)	4293290794 (0xFFE66B2A)
YUV	136.3670, -46.5229, 82.1161
Hunter-Lab	52.4458, 38.5976, 30.5140

Details

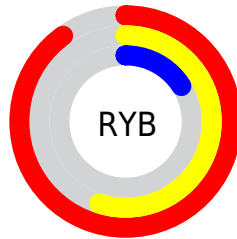
The Yxy color **27.5056, 0.5373, 0.3858** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **33.1148, 0.2027, 0.2340**, and the grayscale version is **24.9198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5401, 0.4660, 0.3959**, and **10.9479, 0.5875, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **24.5172, 0.5669, 0.3800**, and if you desaturate by 10%, it is **31.1374, 0.5033, 0.3865**.

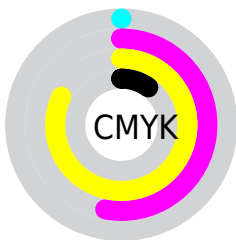
Distribution



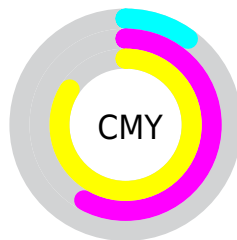
- Red (90%)
- Green (42%)
- Blue (16%)



- Red (90%)
- Yellow (55%)
- Blue (16%)



- Cyan (0%)
- Magenta (53%)
- Yellow (82%)
- Black (10%)




- Cyan (10%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5056, 0.5373, 0.3858 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 27.5056, 0.5373, 0.3858 by changing the saturation by 10% instead.


 27.5056, 0.5373,
0.3858


 27.5056, 0.5373,
0.3858


290.0969, 0.4213,
0.3701


 17.9533, 0.5638,
0.3834


 55.6941, 0.4961,
0.3844

 10.9165, 0.5951,
0.3765


 75.0992, 0.4802,
0.3825


 6.0107, 0.6363,
0.3637

 98.5572, 0.4666,
0.3804

 2.8516, 0.6706,
0.3294

 126.4527, 0.4549,
0.3782

 1.0547, 0.7240,
0.2760

 159.1700, 0.4448,
0.3760

 0.0000, 1.0000,
0.0000

 197.0936, 0.4359,

 0.0000, 0.0000,

0.3739

0.0000

240.6077, 0.4282,
0.3720

■ 27.5056, 0.5373,
0.3858

■ 27.5056, 0.5373,
0.3858

■ 24.5172, 0.5669,
0.3800

■ 31.1374, 0.5033,
0.3865


■ 22.4888, 0.5869,
0.3722

■ 35.4484, 0.4682,
0.3828


■ 40.4763, 0.4344,
0.3761

■ 46.2546, 0.4036,
0.3675

■ 52.8142, 0.3763,
0.3581

 60.1842, 0.3527,
0.3485

 68.3922, 0.3325,
0.3392

 77.4644, 0.3154,
0.3305

 87.4258, 0.3009,
0.3223

Harmonies

Analogous

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



27.5056, 0.5173, 0.3118



27.5056, 0.5373, 0.3858



27.5056, 0.4858, 0.4661

Triad

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



27.5056, 0.5373, 0.3858



27.5056, 0.1972, 0.4331



27.5056, 0.2021, 0.1680

Complementary

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



27.5056, 0.5373, 0.3858



33.1148, 0.2027, 0.2340

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.



27.5056, 0.1472, 0.1703



27.5056, 0.5373, 0.3858



27.5056, 0.1417, 0.2957

Square

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



27.5056, 0.5373, 0.3858



27.5056, 0.2905, 0.5401



27.5056, 0.1275, 0.2078



27.5056, 0.2977, 0.1942

Rectangle

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



27.5056, 0.5373, 0.3858



27.5056, 0.4277, 0.5168



27.5056, 0.1275, 0.2078



27.5056, 0.1795, 0.1654

Sweetspot

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



27.5071, 0.5373, 0.3858



72.7683, 0.3603, 0.3518



21.2813, 0.4029, 0.2119



14.8725, 0.3687, 0.3552



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.



27.5071, 0.5373, 0.3858



28.8402, 0.5833, 0.3734



57.6801, 0.4391, 0.4744



15.1788, 0.3284, 0.3372



12.9390, 0.5841, 0.3744



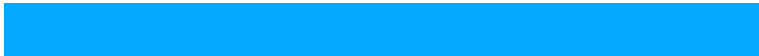
1.1246, 0.5559, 0.3968

Inverse Universe

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



33.1148, 0.2027, 0.2340



35.4780, 0.1924, 0.2119



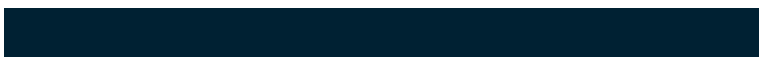
11.0167, 0.1685, 0.1052



15.4534, 0.2981, 0.3207



15.9062, 0.1922, 0.2120



1.3472, 0.1975, 0.2311

Previews

White Background



This preview shows how the Yxy color 27.5056, 0.5373, 0.3858 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 27.5056, 0.5373, 0.3858 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 27.5056, 0.5373, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 27.5056, 0.5373, 0.3858.



This preview shows how white text looks on a background with the Yxy color 27.5056, 0.5373, 0.3858.

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

27.5056, 0.5373, 0.3858

Protanopia

27.6680, 0.4180, 0.4609

Deuteranopia

27.5310, 0.4625, 0.4531



Tritanopia

27.4995, 0.4780, 0.3221

Trichromacy



Original Color

27.5056, 0.5373, 0.3858

Protanomaly

26.7603, 0.4632, 0.4325

Deuteranomaly

26.9307, 0.4930, 0.4257

Tritanomaly

27.4808, 0.5052, 0.3498

Monochromacy



Original Color

27.5056, 0.5373, 0.3858

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.1726, 0.3966, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5056, 0.5373, 0.3858 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, 107, 42)` looks like.

```
.text, #text, p{  
    color:rgb(230, 107, 42)  
}
```

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, 107, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 107, 42) }
```

Border

The CSS property to change the border of an element to Yxy 27.5056, 0.5373, 0.3858 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, 107, 42) }
```

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

```
.border{ border-color:rgb(230, 107, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 107, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 107, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 107, 42);  
box-shadow:4px 4px 4px 4px rgb(230, 107,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5056, 0.5373, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 107, 42) }
```

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

```
.background{ background-color: rgb(230,  
107, 42) }
```

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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