

Converting Colors

$Y_{xy}(25.4985, 0.5749, 0.3756)$

Have a look what the booklet for
Yxy(25.4985, 0.5749, 0.3756)
contains.

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Color

Yxy(25.5269, 0.5745, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	EE5A10
RGB	238, 90, 16
RGB Percent	93%, 35%, 6%
CMY	0.0668, 0.6469, 0.9374
CMYK	0.00, 0.62, 0.93, 0.07
HSL	20°, 87%, 50%
HSV	20°, 93%, 93%
XYZ	39.0032, 25.5269, 3.3606
YIQ	125.8160, 111.9620, 8.3620

Conversions

Conversions Part 2

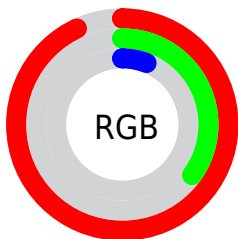
Format	Color
R _Y B	238, 127, 16
Decimal	15620624
CIE Lab	57.59, 54.38, 64.14
CIE LCh	58, 84.085, 49.707
Yxy	25.5269, 0.5745, 0.3760
Android (android.graphics.Color)	4293810704 (0xFFEE5A10)
YUV	125.8160, -54.1393, 98.3854
Hunter-Lab	50.5242, 49.3796, 31.4233

Details

The Yxy color **25.5269, 0.5745, 0.3760** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **32.8015, 0.1961, 0.2226**, and the grayscale version is **20.9606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9918, 0.4950, 0.3954**, and **9.9786, 0.6209, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **23.8211, 0.5904, 0.3694**, and if you desaturate by 10%, it is **28.6106, 0.5455, 0.3828**.

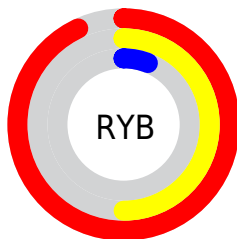
Distribution



Red (93%)

Green (35%)

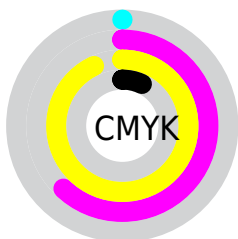
Blue (6%)



Red (93%)

Yellow (50%)

Blue (6%)

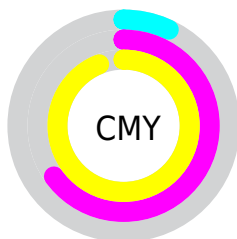


Cyan (0%)

Magenta (62%)

Yellow (93%)

Black (7%)



Cyan (7%)


Magenta (65%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5269, 0.5745, 0.3760 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 25.5269, 0.5745, 0.3760 by changing the saturation by 10% instead.


 25.5269, 0.5745,
0.3760


 25.5269, 0.5745,
0.3760


280.4519, 0.4416,
0.3718


 16.4700, 0.6028,
0.3685


 52.5107, 0.5287,
0.3806

 9.8574, 0.6408,
0.3575


 71.2065, 0.5105,
0.3805


 5.3045, 0.6708,
0.3292


 93.8840, 0.4948,
0.3795

 2.4270, 0.7122,
0.2878

 120.9277, 0.4812,
0.3782

 0.8397, 0.7748,
0.2252

 152.7219, 0.4693,
0.3766


 0.0000, 1.0000,
0.0000


 189.6511, 0.4589,

 0.0000, 0.0000,


0.3750


0.0000

 232.0996, 0.4497,
0.3734

 25.5269, 0.5745,
0.3760

 25.5269, 0.5745,
0.3760


 23.8211, 0.5904,
0.3694

 28.6106, 0.5455,
0.3828

 32.3964, 0.5114,
0.3845

 36.9324, 0.4756,
0.3817

 42.2605, 0.4409,
0.3757

 48.4190, 0.4090,
0.3676

■ 55.4435, 0.3808,
0.3586

■ 63.3673, 0.3564,
0.3493

■ 72.2220, 0.3356,
0.3403

■ 82.0374, 0.3179,
0.3317

Harmonies

Analogous

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



25.5269, 0.5512, 0.2972



25.5269, 0.5745, 0.3760



25.5269, 0.5108, 0.4677

Triad

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



25.5269, 0.5745, 0.3760



25.5269, 0.1802, 0.4695



25.5269, 0.1783, 0.1451

Complementary

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



25.5269, 0.5745, 0.3760



32.8015, 0.1961, 0.2226

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.



25.5269, 0.1221, 0.1486



25.5269, 0.5745, 0.3760



25.5269, 0.1183, 0.2945

Square

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



25.5269, 0.5745, 0.3760



25.5269, 0.2863, 0.5932



25.5269, 0.1029, 0.1903



25.5269, 0.2835, 0.1716

Rectangle

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



25.5269, 0.5745, 0.3760



25.5269, 0.4422, 0.5336



25.5269, 0.1029, 0.1903



25.5269, 0.1547, 0.1428

Sweetspot

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



25.5284, 0.5745, 0.3760



69.5332, 0.3677, 0.3538



21.2219, 0.4199, 0.2115



14.0433, 0.3786, 0.3578



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.



25.5284, 0.5745, 0.3760



27.7680, 0.5911, 0.3689



59.9714, 0.4487, 0.4786



16.6204, 0.3285, 0.3369



13.5053, 0.5876, 0.3716



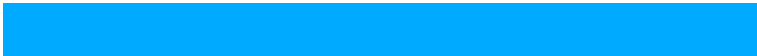
1.2998, 0.5621, 0.3919

Inverse Universe

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



32.8015, 0.1961, 0.2226



35.9433, 0.1927, 0.2137



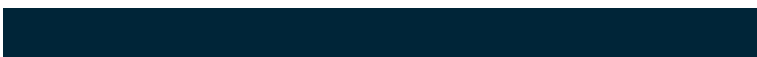
8.8254, 0.1575, 0.0822



16.9887, 0.2980, 0.3209



17.4490, 0.1934, 0.2161



1.6337, 0.1980, 0.2327

Previews

White Background



This preview shows how the Yxy color 25.5269, 0.5745, 0.3760 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 25.5269, 0.5745, 0.3760 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 25.5269, 0.5745, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 25.5269, 0.5745, 0.3760.



This preview shows how white text looks on a background with the Yxy color 25.5269, 0.5745, 0.3760.

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

25.5269, 0.5745, 0.3760

Protanopia

25.6269, 0.4311, 0.4767

Deuteranopia

25.6165, 0.4704, 0.4647



Tritanopia

25.5872, 0.5196, 0.3250

Trichromacy



Original Color

25.5269, 0.5745, 0.3760

Protanomaly

24.1840, 0.4904, 0.4350

Deuteranomaly

24.7415, 0.5135, 0.4280

Tritanomaly

25.3541, 0.5489, 0.3497

Monochromacy



Original Color

25.5269, 0.5745, 0.3760

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6976, 0.4217, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5269, 0.5745, 0.3760 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(238, 90, 16)` looks like.

```
.text, #text, p{  
    color:rgb(238, 90, 16)  
}
```

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(238, 90, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 90, 16) }
```

Border

The CSS property to change the border of an element to Yxy 25.5269, 0.5745, 0.3760 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(238, 90, 16) }
```

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

```
.border{ border-color:rgb(238, 90, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 90, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 90, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 90, 16);  
box-shadow:4px 4px 4px 4px rgb(238, 90,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5269, 0.5745, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 90, 16) }
```

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

```
.background{ background-color: rgb(238, 90,  
16) }
```

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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