

Converting Colors

$Y_{xy}(23.7645, 0.5675, 0.3876)$

Have a look what the booklet for
Yxy(23.7645, 0.5675, 0.3876)
contains.

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Color

Yxy(23.6760, 0.5674, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	E05D00
RGB	224, 93, 0
RGB Percent	88%, 36%, 0%
CMY	0.1217, 0.6352, 1.0000
CMYK	0.00, 0.58, 1.00, 0.12
HSL	25°, 100%, 44%
HSV	25°, 100%, 88%
XYZ	34.6499, 23.6760, 2.7419
YIQ	121.5670, 107.9290, -1.1510

Conversions

Conversions Part 2

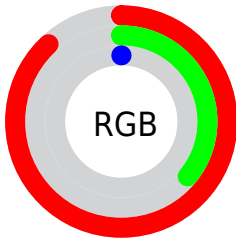
Format	Color
R _Y B	224, 159, 0
Decimal	14703872
CIE Lab	55.76, 47.86, 65.11
CIE LCh	56, 80.807, 53.677
Yxy	23.6760, 0.5674, 0.3877
Android (android.graphics.Color)	4292893952 (0xFFE05D00)
YUV	121.5670, -59.9325, 89.8337
Hunter-Lab	48.6580, 41.9603, 30.7195

Details

The Yxy color **23.6760, 0.5674, 0.3877** 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 **21.6002, 0.1848, 0.1851**, and the grayscale version is **19.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5091, 0.4985, 0.4027**, and **8.9246, 0.6073, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **23.6775, 0.5674, 0.3877**, and if you desaturate by 10%, it is **26.2368, 0.5443, 0.3961**.

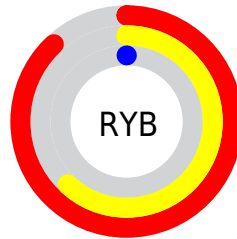
Distribution



Red (88%)

Green (36%)

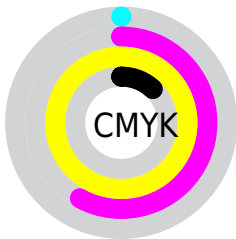
Blue (0%)



Red (88%)

Yellow (62%)

Blue (0%)

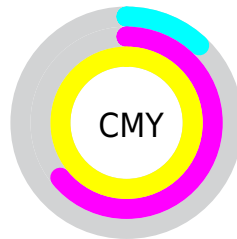


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6760, 0.5674, 0.3877 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 23.6760, 0.5674, 0.3877 by changing the saturation by 10% instead.


 23.6760, 0.5674,
0.3877


 23.6760, 0.5674,
0.3877

271.1783, 0.4377,
0.3773


 15.0935, 0.5947,
0.3810


 49.5010, 0.5229,
0.3905

 8.8850, 0.6300,
0.3700


 67.5122, 0.5051,
0.3895

 4.6662, 0.6585,
0.3415

 89.4350, 0.4897,
0.3878

 2.0528, 0.7003,
0.2997

 115.6540, 0.4764,
0.3857

 0.6379, 0.7722,
0.2278

 146.5534, 0.4648,
0.3836


 0.0000, 1.0000,
0.0000


 182.5176, 0.4546,


 0.0000, 0.0000,

0.3814


0.0000

 223.9312, 0.4456,
0.3793


 23.6760, 0.5674,
0.3877


 23.6760, 0.5674,
0.3877

 23.6775, 0.5674,
0.3877

 26.2368, 0.5443,
0.3961

 29.2774, 0.5166,
0.3998

 32.8390, 0.4857,
0.3983

 36.9509, 0.4540,
0.3924

 41.6393, 0.4235,
0.3836

■ 46.9284, 0.3954,
0.3730

■ 52.8407, 0.3703,
0.3617

■ 59.3976, 0.3482,
0.3504

■ 66.6192, 0.3291,
0.3394

Harmonies

Analogous

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



23.6760, 0.5573, 0.3081



23.6760, 0.5674, 0.3877



23.6760, 0.4971, 0.4803

Triad

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



23.6760, 0.5674, 0.3877



23.6760, 0.1710, 0.4432



23.6760, 0.1906, 0.1487

Complementary

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



23.6760, 0.5674, 0.3877



21.6002, 0.1848, 0.1851

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.



23.6760, 0.1289, 0.1481



23.6760, 0.5674, 0.3877



23.6760, 0.1160, 0.2771

Square

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



23.6760, 0.5674, 0.3877



23.6760, 0.2722, 0.5818



23.6760, 0.1054, 0.1837



23.6760, 0.3016, 0.1789

Rectangle

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



23.6760, 0.5674, 0.3877



23.6760, 0.4271, 0.5440



23.6760, 0.1054, 0.1837



23.6760, 0.1651, 0.1451

Sweetspot

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



23.6775, 0.5674, 0.3877



70.7229, 0.3708, 0.3620



17.5760, 0.4561, 0.2286



14.3959, 0.3811, 0.3668



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.



23.6775, 0.5674, 0.3877



31.5499, 0.5686, 0.3867



57.8886, 0.4383, 0.4902



14.6311, 0.3282, 0.3388



13.9998, 0.5647, 0.3898



1.1440, 0.5371, 0.4117

Inverse Universe

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



21.6002, 0.1848, 0.1851



28.7428, 0.1845, 0.1840



5.9698, 0.1516, 0.0659



14.5682, 0.2981, 0.3190



12.8074, 0.1854, 0.1874



1.0632, 0.1921, 0.2114

Previews

White Background



This preview shows how the Yxy color 23.6760, 0.5674, 0.3877 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 23.6760, 0.5674, 0.3877 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 23.6760, 0.5674, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 23.6760, 0.5674, 0.3877.



This preview shows how white text looks on a background with the Yxy color 23.6760, 0.5674, 0.3877.

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

23.6760, 0.5674, 0.3877

Protanopia

23.9652, 0.4333, 0.4814

Deuteranopia

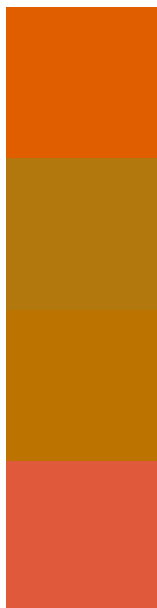
23.6138, 0.4709, 0.4643



Tritanopia

23.7578, 0.5012, 0.3244

Trichromacy



Original Color

23.6760, 0.5674, 0.3877

Protanomaly

22.9296, 0.4875, 0.4444

Deuteranomaly

23.0803, 0.5095, 0.4337

Tritanomaly

23.4681, 0.5392, 0.3573

Monochromacy



Original Color

23.6760, 0.5674, 0.3877

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2899, 0.4233, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6760, 0.5674, 0.3877 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(224, 93, 0)` looks like.

```
.text, #text, p{  
  color:rgb(224, 93, 0)  
}
```

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(224, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.6760, 0.5674, 0.3877 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(224, 93, 0) }
```

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

```
.border{ border-color:rgb(224, 93, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 93, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.6760, 0.5674, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 93, 0) }
```

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

```
.background{ background-color: rgb(224, 93,  
0) }
```

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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