

Converting Colors

$Y_{xy}(24.6658, 0.5731, 0.3760)$

Have a look what the booklet for
Yxy(24.6658, 0.5731, 0.3760)
contains.

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Color

Yxy(24.6809, 0.5730, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	EA5912
RGB	234, 89, 18
RGB Percent	92%, 35%, 7%
CMY	0.0824, 0.6509, 0.9300
CMYK	0.00, 0.62, 0.92, 0.08
HSL	20°, 86%, 49%
HSV	20°, 92%, 92%
XYZ	37.6121, 24.6809, 3.3477
YIQ	124.2610, 109.2110, 8.6590

Conversions

Conversions Part 2

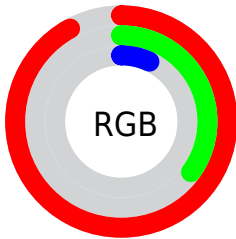
Format	Color
RYB	234, 124, 18
Decimal	15358226
CIELab	56.76, 53.45, 62.80
CIELCh	57, 82.466, 49.597
Yxy	24.6809, 0.5730, 0.3760
Android (android.graphics.Color)	4293548306 (0xFFEA5912)
YUV	124.2610, -52.3867, 96.2411
Hunter-Lab	49.6799, 48.2007, 30.7807

Details

The Yxy color **24.6809, 0.5730, 0.3760** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **32.2072, 0.1970, 0.2253**, and the grayscale version is **20.3955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6876, 0.4959, 0.3944**, and **9.4746, 0.6209, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **22.8044, 0.5914, 0.3686**, and if you desaturate by 10%, it is **27.6982, 0.5432, 0.3823**.

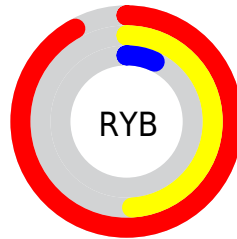
Distribution



Red (92%)

Green (35%)

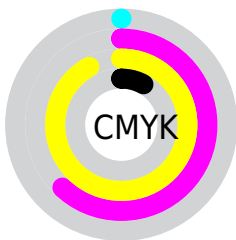
Blue (7%)



Red (92%)

Yellow (49%)

Blue (7%)

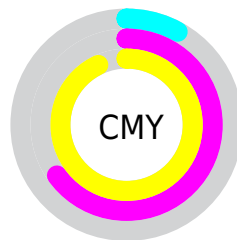


Cyan (0%)

Magenta (62%)

Yellow (92%)

Black (8%)



Cyan (8%)


Magenta (65%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6809, 0.5730, 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 24.6809, 0.5730, 0.3760 by changing the saturation by 10% instead.

 24.6809, 0.5730,
0.3760

 24.6809, 0.5730,
0.3760


276.2451, 0.4398,
0.3712


 15.8395, 0.6017,
0.3686


 51.1391, 0.5268,
0.3804

 9.4106, 0.6406,
0.3578


 69.5246, 0.5085,
0.3801


 5.0100, 0.6711,
0.3289

 91.8603, 0.4928,
0.3791

 2.2531, 0.7134,
0.2866

 118.5306, 0.4792,
0.3777

 0.7487, 0.7795,
0.2205

 149.9198, 0.4673,
0.3762

 0.0000, 1.0000,
0.0000


 186.4123, 0.4570,


 0.0000, 0.0000,


0.3745

0.0000


 228.3926, 0.4479,
0.3728


 24.6809, 0.5730,
0.3760


 24.6809, 0.5730,
0.3760


 22.8044, 0.5914,
0.3686

 27.6982, 0.5432,
0.3823

 31.4008, 0.5087,
0.3836

 35.8351, 0.4727,
0.3806

 41.0415, 0.4380,
0.3744

 47.0571, 0.4064,
0.3663

■ 53.9163, 0.3784,
0.3574

■ 61.6514, 0.3543,
0.3482

■ 70.2931, 0.3338,
0.3393

■ 79.8701, 0.3164,
0.3309

Harmonies

Analogous

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



24.6809, 0.5491, 0.2974



24.6809, 0.5730, 0.3760



24.6809, 0.5103, 0.4672

Triad

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



24.6809, 0.5730, 0.3760



24.6809, 0.1816, 0.4689



24.6809, 0.1789, 0.1460

Complementary

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



24.6809, 0.5730, 0.3760



32.2072, 0.1970, 0.2253

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.



24.6809, 0.1229, 0.1497



24.6809, 0.5730, 0.3760



24.6809, 0.1196, 0.2955

Square

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



24.6809, 0.5730, 0.3760



24.6809, 0.2874, 0.5910



24.6809, 0.1039, 0.1915



24.6809, 0.2833, 0.1724

Rectangle

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



24.6809, 0.5730, 0.3760



24.6809, 0.4424, 0.5324



24.6809, 0.1039, 0.1915



24.6809, 0.1554, 0.1438

Sweetspot

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



24.6823, 0.5730, 0.3760



69.3805, 0.3678, 0.3535



20.6571, 0.4126, 0.2080



14.0073, 0.3787, 0.3574



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.



24.6823, 0.5730, 0.3760



27.5923, 0.5922, 0.3680



56.2852, 0.4515, 0.4757



15.8640, 0.3285, 0.3368



13.0200, 0.5886, 0.3709



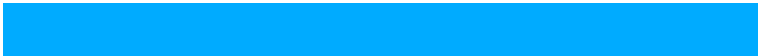
1.1925, 0.5617, 0.3922

Inverse Universe

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



32.2072, 0.1970, 0.2253



36.3661, 0.1932, 0.2153



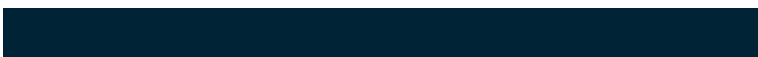
9.0422, 0.1590, 0.0867



16.2376, 0.2981, 0.3211



17.1222, 0.1939, 0.2178



1.5191, 0.1986, 0.2350

Previews

White Background



This preview shows how the Yxy color 24.6809, 0.5730, 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 24.6809, 0.5730, 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 24.6809, 0.5730, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 24.6809, 0.5730, 0.3760.



This preview shows how white text looks on a background with the Yxy color 24.6809, 0.5730, 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

24.6809, 0.5730, 0.3760

Protanopia

24.8603, 0.4307, 0.4755

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.7240, 0.5184, 0.3249

Trichromacy



Original Color

24.6809, 0.5730, 0.3760

Protanomaly

23.5748, 0.4882, 0.4354

Deuteranomaly

23.8767, 0.5136, 0.4278

Tritanomaly

24.5070, 0.5471, 0.3493

Monochromacy



Original Color

24.6809, 0.5730, 0.3760

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9173, 0.4207, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6809, 0.5730, 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(234, 89, 18)` looks like.

```
.text, #text, p{  
    color:rgb(234, 89, 18)  
}
```

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, 89, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 89, 18) }
```

Border

The CSS property to change the border of an element to Yxy 24.6809, 0.5730, 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(234, 89, 18) }
```

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

```
.border{ border-color:rgb(234, 89, 18) }
```

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

Here you see how a box with a 4 pixel rgb(234, 89, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 89, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 89, 18);  
box-shadow:4px 4px 4px 4px rgb(234, 89,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6809, 0.5730, 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(234, 89, 18) }
```

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

```
.background{ background-color: rgb(234, 89,  
18) }
```

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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