

Converting Colors

$Y_{xy}(24.2721, 0.5974, 0.3638)$

Have a look what the booklet for
Yxy(24.2721, 0.5974, 0.3638)
contains.

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Color

Yxy(24.2653, 0.5973, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	F44B00
RGB	244, 75, 0
RGB Percent	96%, 29%, 0%
CMY	0.0431, 0.7059, 0.9996
CMYK	0.00, 0.69, 1.00, 0.04
HSL	18°, 100%, 48%
HSV	18°, 100%, 96%
XYZ	39.8287, 24.2653, 2.5872
YIQ	116.9810, 124.7990, 12.5030

Conversions

Conversions Part 2

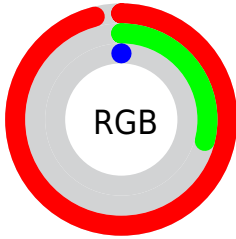
Format	Color
RYB	244, 108, 0
Decimal	16009984
CIELab	56.35, 62.29, 67.25
CIELCh	56, 91.667, 47.189
Yxy	24.2653, 0.5973, 0.3639
Android (android.graphics.Color)	4294200064 (0xFFFF44B00)
YUV	116.9810, -57.6716, 111.3957
Hunter-Lab	49.2598, 58.1203, 31.3678

Details

The Yxy color **24.2653, 0.5973, 0.3639** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **34.9554, 0.1955, 0.2237**, and the grayscale version is **17.9390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1214, 0.5146, 0.3893**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.2571, 0.5974, 0.3639**, and if you desaturate by 10%, it is **26.9407, 0.5724, 0.3734**.

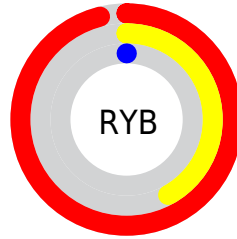
Distribution



Red (96%)

Green (29%)

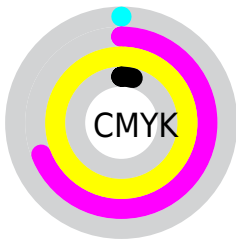
Blue (0%)



Red (96%)

Yellow (42%)

Blue (0%)

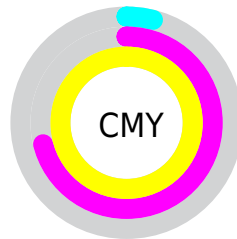


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2653, 0.5973, 0.3639 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 24.2653, 0.5973, 0.3639 by changing the saturation by 10% instead.


 24.2653, 0.5973,
0.3639

 24.2653, 0.5973,
0.3639


274.1590, 0.4538,
0.3697

 15.5305, 0.6269,
0.3529


 50.4628, 0.5486,
0.3731

 9.1926, 0.6639,
0.3361


 68.6943, 0.5289,
0.3744

 4.8670, 0.6964,
0.3036

 90.8602, 0.5119,
0.3746

 2.1694, 0.7421,
0.2579

 117.3448, 0.4971,
0.3741

 0.7033, 0.8119,
0.1881

 148.5327, 0.4841,
0.3733


 0.0000, 1.0000,
0.0000


 184.8080, 0.4728,


 0.0000, 0.0000,

0.3722

0.0000


 226.5553, 0.4627,
0.3709

 24.2653, 0.5973,
0.3639

 24.2653, 0.5973,
0.3639


 24.2571, 0.5974,
0.3639

 26.9407, 0.5724,
0.3734

 30.3532, 0.5405,
0.3788

 34.5706, 0.5042,
0.3794

 39.6453, 0.4672,
0.3759

 45.6249, 0.4321,
0.3698

■ 52.5529, 0.4005,
0.3620

■ 60.4700, 0.3730,
0.3535

■ 69.4142, 0.3494,
0.3449

■ 79.4215, 0.3295,
0.3367

Harmonies

Analogous

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



24.2653, 0.5674, 0.2841



24.2653, 0.5973, 0.3639



24.2653, 0.5291, 0.4606

Triad

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



24.2653, 0.5973, 0.3639



24.2653, 0.1740, 0.5041



24.2653, 0.1608, 0.1318

Complementary

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



24.2653, 0.5973, 0.3639



34.9554, 0.1955, 0.2237

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.



24.2653, 0.1066, 0.1373



24.2653, 0.5973, 0.3639



24.2653, 0.1066, 0.3015

Square

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



24.2653, 0.5973, 0.3639



24.2653, 0.2875, 0.6268



24.2653, 0.0893, 0.1833



24.2653, 0.2677, 0.1568

Rectangle

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



24.2653, 0.5973, 0.3639



24.2653, 0.4549, 0.5355



24.2653, 0.0893, 0.1833



24.2653, 0.1378, 0.1301

Sweetspot

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



24.2668, 0.5973, 0.3639



66.7300, 0.3733, 0.3536



22.1720, 0.4165, 0.2068



13.4635, 0.3844, 0.3572



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.



24.2668, 0.5973, 0.3639



26.7506, 0.5978, 0.3636



58.3700, 0.4605, 0.4725



17.3123, 0.3286, 0.3363



13.3995, 0.5945, 0.3661



1.3520, 0.5701, 0.3855

Inverse Universe

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



34.9554, 0.1955, 0.2237



38.5483, 0.1954, 0.2234



8.7200, 0.1549, 0.0775



17.8489, 0.2980, 0.3216



19.2509, 0.1960, 0.2255



1.8734, 0.2000, 0.2401

Previews

White Background



This preview shows how the Yxy color 24.2653, 0.5973, 0.3639 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 24.2653, 0.5973, 0.3639 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 24.2653, 0.5973, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 24.2653, 0.5973, 0.3639.



This preview shows how white text looks on a background with the Yxy color 24.2653, 0.5973, 0.3639.

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

24.2653, 0.5973, 0.3639

Protanopia

24.4552, 0.4329, 0.4784

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.2738, 0.5536, 0.3274

Trichromacy



Original Color

24.2653, 0.5973, 0.3639

Protanomaly

22.5142, 0.5035, 0.4299

Deuteranomaly

22.9430, 0.5266, 0.4201

Tritanomaly

24.2445, 0.5794, 0.3471

Monochromacy



Original Color

24.2653, 0.5973, 0.3639

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7837, 0.4424, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2653, 0.5973, 0.3639 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(244, 75, 0)` looks like.

```
.text, #text, p{  
  color:rgb(244, 75, 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(244, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2653, 0.5973, 0.3639 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(244, 75, 0) }
```

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

```
.border{ border-color:rgb(244, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(244, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.2653, 0.5973, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 75, 0) }
```

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

```
.background{ background-color: rgb(244, 75,  
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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