

Converting Colors

$Y_{xy}(24.7522, 0.5865, 0.3725)$

Have a look what the booklet for
Yxy(24.7522, 0.5865, 0.3725)
contains.

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Color

Yxy(24.8659, 0.5862, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	F05400
RGB	240, 84, 0
RGB Percent	94%, 33%, 0%
CMY	0.0588, 0.6706, 0.9995
CMYK	0.00, 0.65, 1.00, 0.06
HSL	21°, 100%, 47%
HSV	21°, 100%, 94%
XYZ	39.1103, 24.8659, 2.7421
YIQ	121.0680, 119.9400, 6.9480

Conversions

Conversions Part 2

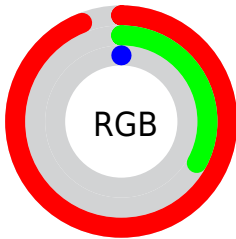
Format	Color
R_{YB}	240, 129, 0
Decimal	15750144
CIE _{Lab}	56.94, 57.48, 67.14
CIE _{LCh}	57, 88.386, 49.434
Yxy	24.8659, 0.5862, 0.3727
Android (android.graphics.Color)	4293940224 (0xFFFF05400)
YUV	121.0680, -59.6865, 104.3034
Hunter-Lab	49.8657, 52.7346, 31.6456

Details

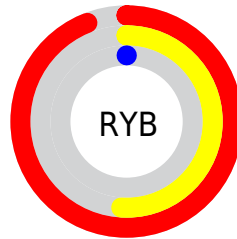
The Yxy color **24.8659, 0.5862, 0.3727** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **30.1254, 0.1912, 0.2084**, and the grayscale version is **19.3158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3863, 0.5060, 0.3965**, and **9.5797, 0.6308, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **24.8530, 0.5863, 0.3727**, and if you desaturate by 10%, it is **27.6326, 0.5617, 0.3821**.

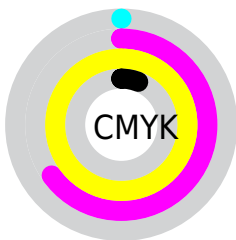
Distribution



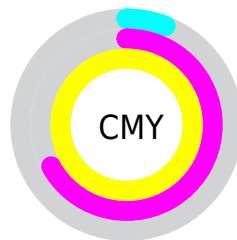
- Red (94%)
- Green (33%)
- Blue (0%)



- Red (94%)
- Yellow (51%)
- Blue (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (100%)
- Black (6%)





- Cyan (6%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8659, 0.5862, 0.3727 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 24.8659, 0.5862, 0.3727 by changing the saturation by 10% instead.


 24.8659, 0.5862,
0.3727


 24.8659, 0.5862,
0.3727


277.1695, 0.4485,
0.3727


 15.9772, 0.6147,
0.3634


 51.4396, 0.5394,
0.3796


 9.5080, 0.6509,
0.3491


 69.8933, 0.5205,
0.3800


 5.0740, 0.6815,
0.3185

 92.3042, 0.5042,
0.3795

 2.2907, 0.7249,
0.2751

 119.0566, 0.4900,
0.3785

 0.7688, 0.7909,
0.2091

 150.5350, 0.4776,
0.3772


 0.0000, 1.0000,
0.0000


 187.1236, 0.4667,


 0.0000, 0.0000,

0.3757


0.0000

 229.2070, 0.4571,
0.3742


 24.8659, 0.5862,
0.3727

 24.8659, 0.5862,
0.3727

 24.8530, 0.5863,
0.3727

 27.6326, 0.5617,
0.3821

 31.0527, 0.5313,
0.3870

 35.1833, 0.4970,
0.3868

 40.0677, 0.4621,
0.3825

 45.7452, 0.4288,
0.3753

■ 52.2516, 0.3985,
0.3664

■ 59.6207, 0.3719,
0.3567

■ 67.8839, 0.3489,
0.3471

■ 77.0713, 0.3293,
0.3377

Harmonies

Analogous

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



24.8659, 0.5637, 0.2929



24.8659, 0.5862, 0.3727



24.8659, 0.5172, 0.4680

Triad

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



24.8659, 0.5862, 0.3727



24.8659, 0.1732, 0.4808



24.8659, 0.1715, 0.1380

Complementary

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



24.8659, 0.5862, 0.3727



30.1254, 0.1912, 0.2084

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.



24.8659, 0.1146, 0.1414



24.8659, 0.5862, 0.3727



24.8659, 0.1102, 0.2922

Square

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



24.8659, 0.5862, 0.3727



24.8659, 0.2825, 0.6110



24.8659, 0.0952, 0.1836



24.8659, 0.2800, 0.1648

Rectangle

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



24.8659, 0.5862, 0.3727



24.8659, 0.4445, 0.5388



24.8659, 0.0952, 0.1836



24.8659, 0.1475, 0.1356

Sweetspot

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



24.8674, 0.5862, 0.3727



68.2726, 0.3723, 0.3569



21.0711, 0.4294, 0.2140



13.8227, 0.3831, 0.3610



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.



24.8674, 0.5862, 0.3727



28.4276, 0.5869, 0.3722



59.8536, 0.4527, 0.4787



16.6626, 0.3284, 0.3373



13.8280, 0.5834, 0.3750



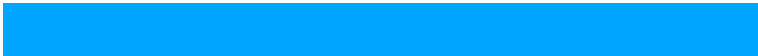
1.3303, 0.5582, 0.3950

Inverse Universe

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



30.1254, 0.1912, 0.2084



34.4426, 0.1911, 0.2079



7.8187, 0.1536, 0.0728



16.9448, 0.2980, 0.3205



16.7381, 0.1918, 0.2104



1.5781, 0.1966, 0.2278

Previews

White Background



This preview shows how the Yxy color 24.8659, 0.5862, 0.3727 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 24.8659, 0.5862, 0.3727 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 24.8659, 0.5862, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 24.8659, 0.5862, 0.3727.



This preview shows how white text looks on a background with the Yxy color 24.8659, 0.5862, 0.3727.

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

24.8659, 0.5862, 0.3727

Protanopia

25.1172, 0.4321, 0.4804

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.9352, 0.5346, 0.3262

Trichromacy



Original Color

24.8659, 0.5862, 0.3727

Protanomaly

23.3086, 0.4970, 0.4359

Deuteranomaly

23.6806, 0.5198, 0.4255

Tritanomaly

24.6860, 0.5651, 0.3508

Monochromacy



Original Color

24.8659, 0.5862, 0.3727

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1535, 0.4340, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8659, 0.5862, 0.3727 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(240, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 84, 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(240, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 84, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.8659, 0.5862, 0.3727 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(240, 84, 0) }
```

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

```
.border{ border-color:rgb(240, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 84, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.8659, 0.5862, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 84, 0) }
```

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

```
.background{ background-color: rgb(240, 84,  
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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