

Converting Colors

$Y_{xy}(25.2442, 0.5873, 0.3719)$

Have a look what the booklet for
Yxy(25.2442, 0.5873, 0.3719)
contains.

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Color

Yxy(25.2179, 0.5871, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	F25400
RGB	242, 84, 0
RGB Percent	95%, 33%, 0%
CMY	0.0510, 0.6706, 1.0000
CMYK	0.00, 0.65, 1.00, 0.05
HSL	21°, 100%, 47%
HSV	21°, 100%, 95%
XYZ	39.7888, 25.2179, 2.7651
YIQ	121.6660, 121.1320, 7.3720

Conversions

Conversions Part 2

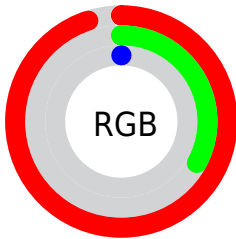
Format	Color
R_{YB}	242, 129, 0
Decimal	15881216
CIE _{Lab}	57.29, 58.14, 67.57
CIE _{LCh}	57, 89.141, 49.290
Yxy	25.2179, 0.5871, 0.3721
Android (android.graphics.Color)	4294071296 (0xFFFF25400)
YUV	121.6660, -59.9813, 105.5329
Hunter-Lab	50.2174, 53.5507, 31.8876

Details

The Yxy color **25.2179, 0.5871, 0.3721** 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 **30.8640, 0.1914, 0.2091**, and the grayscale version is **19.5187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3863, 0.5060, 0.3965**, and **9.7797, 0.6316, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **25.2198, 0.5870, 0.3721**, and if you desaturate by 10%, it is **28.0221, 0.5626, 0.3815**.

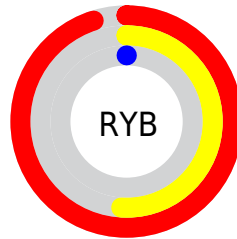
Distribution



Red (95%)

Green (33%)

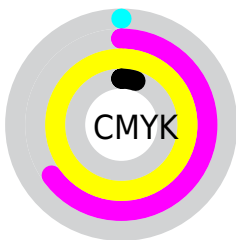
Blue (0%)



Red (95%)

Yellow (51%)

Blue (0%)

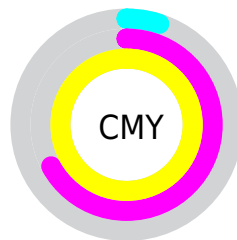


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2179, 0.5871, 0.3721 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 25.2179, 0.5871, 0.3721 by changing the saturation by 10% instead.


 25.2179, 0.5871,
0.3721


 25.2179, 0.5871,
0.3721


278.9214, 0.4493,
0.3726


 16.2395, 0.6155,
0.3627


 52.0105, 0.5404,
0.3791

 9.6938, 0.6516,
0.3484


 70.5935, 0.5215,
0.3797

 5.1964, 0.6820,
0.3180

 93.1467, 0.5052,
0.3793

 2.3629, 0.7251,
0.2749

 120.0547, 0.4910,
0.3783

 0.8067, 0.7897,
0.2103

 151.7017, 0.4785,
0.3770

 0.0000, 1.0000,
0.0000


 188.4723, 0.4676,

 0.0000, 0.0000,


0.3756


0.0000

 230.7507, 0.4579,
0.3741


 25.2179, 0.5871,
0.3721


 25.2179, 0.5871,
0.3721


 25.2198, 0.5870,
0.3721

 28.0221, 0.5626,
0.3815

 31.4950, 0.5321,
0.3865

 35.6958, 0.4977,
0.3864

 40.6690, 0.4626,
0.3822

 46.4550, 0.4292,
0.3750

■ 53.0909, 0.3988,
0.3662

■ 60.6114, 0.3721,
0.3566

■ 69.0488, 0.3491,
0.3470

■ 78.4339, 0.3294,
0.3377

Harmonies

Analogous

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



25.2179, 0.5641, 0.2923



25.2179, 0.5871, 0.3721



25.2179, 0.5180, 0.4675

Triad

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



25.2179, 0.5871, 0.3721



25.2179, 0.1731, 0.4824



25.2179, 0.1707, 0.1374

Complementary

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



25.2179, 0.5871, 0.3721



30.8640, 0.1914, 0.2091

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.



25.2179, 0.1140, 0.1410



25.2179, 0.5871, 0.3721



25.2179, 0.1099, 0.2927

Square

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



25.2179, 0.5871, 0.3721



25.2179, 0.2827, 0.6124



25.2179, 0.0947, 0.1834



25.2179, 0.2792, 0.1642

Rectangle

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



25.2179, 0.5871, 0.3721



25.2179, 0.4452, 0.5387



25.2179, 0.0947, 0.1834



25.2179, 0.1468, 0.1351

Sweetspot

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



25.2198, 0.5870, 0.3721



68.1836, 0.3723, 0.3567



21.4631, 0.4296, 0.2140



13.8019, 0.3832, 0.3608



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.



25.2198, 0.5870, 0.3721



28.3248, 0.5875, 0.3717



60.9646, 0.4528, 0.4787



16.6561, 0.3285, 0.3373



13.7778, 0.5841, 0.3745



1.3256, 0.5588, 0.3945

Inverse Universe

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



30.8640, 0.1914, 0.2091



34.6680, 0.1913, 0.2088



7.9513, 0.1535, 0.0727



16.9515, 0.2980, 0.3206



16.8449, 0.1920, 0.2113



1.5865, 0.1968, 0.2286

Previews

White Background



This preview shows how the Yxy color 25.2179, 0.5871, 0.3721 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 25.2179, 0.5871, 0.3721 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 25.2179, 0.5871, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 25.2179, 0.5871, 0.3721.



This preview shows how white text looks on a background with the Yxy color 25.2179, 0.5871, 0.3721.

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

25.2179, 0.5871, 0.3721

Protanopia

25.2157, 0.4332, 0.4795

Deuteranopia

25.2313, 0.4707, 0.4644



Tritanopia

25.2911, 0.5361, 0.3262

Trichromacy



Original Color

25.2179, 0.5871, 0.3721

Protanomaly

23.5591, 0.4990, 0.4344

Deuteranomaly

24.1767, 0.5201, 0.4252

Tritanomaly

25.0399, 0.5662, 0.3505

Monochromacy



Original Color

25.2179, 0.5871, 0.3721

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3822, 0.4353, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2179, 0.5871, 0.3721 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(242, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 84, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.2179, 0.5871, 0.3721 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(242, 84, 0) }
```

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

```
.border{ border-color:rgb(242, 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(242, 84, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 84, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.2179, 0.5871, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 84, 0) }
```

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

```
.background{ background-color: rgb(242, 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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