

Converting Colors

$Y_{xy}(24.2904, 0.6112, 0.3529)$

Have a look what the booklet for
Yxy(24.2904, 0.6112, 0.3529)
contains.

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Color

Yxy(24.2505, 0.6107, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	FC3F00
RGB	252, 63, 0
RGB Percent	99%, 25%, 0%
CMY	0.0118, 0.7528, 1.0000
CMYK	0.00, 0.75, 1.00, 0.01
HSL	15°, 100%, 49%
HSV	15°, 100%, 99%
XYZ	41.9184, 24.2505, 2.4710
YIQ	112.3290, 132.8670, 20.4750

Conversions

Conversions Part 2

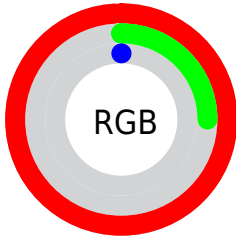
Format	Color
R _Y B	252, 84, 0
Decimal	16531200
CIE Lab	56.34, 68.79, 68.10
CIE LCh	56, 96.795, 44.709
Yxy	24.2505, 0.6107, 0.3533
Android (android.graphics.Color)	4294721280 (0xFFFC3F00)
YUV	112.3290, -55.3782, 122.4915
Hunter-Lab	49.2448, 65.7654, 31.4963

Details

The Yxy color **24.2505, 0.6107, 0.3533** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **43.3986, 0.2012, 0.2442**, and the grayscale version is **16.4475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0342, 0.5225, 0.3816**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.2520, 0.6107, 0.3533**, and if you desaturate by 10%, it is **26.7883, 0.5860, 0.3623**.

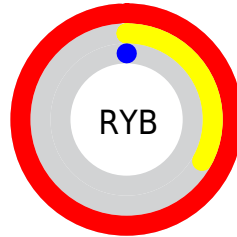
Distribution



Red (99%)

Green (25%)

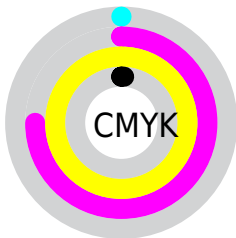
Blue (0%)



Red (99%)

Yellow (33%)

Blue (0%)

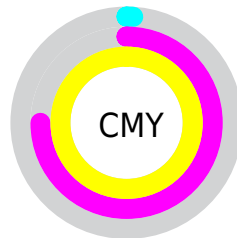


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (75%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2505, 0.6107, 0.3533 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 24.2505, 0.6107, 0.3533 by changing the saturation by 10% instead.


 24.2505, 0.6107,
0.3533

 24.2505, 0.6107,
0.3533


274.0845, 0.4611,
0.3662

 15.5195, 0.6414,
0.3405


 50.4387, 0.5602,
0.3653

 9.1848, 0.6787,
0.3213


 68.6647, 0.5397,
0.3676

 4.8619, 0.7128,
0.2872

 90.8245, 0.5219,
0.3686

 2.1665, 0.7600,
0.2400

 117.3025, 0.5065,
0.3688

 0.7016, 0.8298,
0.1702

 148.4831, 0.4929,
0.3685


 0.0000, 1.0000,
0.0000


 184.7507, 0.4810,


 0.0000, 0.0000,


0.3679

0.0000


 226.4897, 0.4705,
0.3671


 24.2505, 0.6107,
0.3533


 24.2505, 0.6107,
0.3533


 24.2520, 0.6107,
0.3533

 26.7883, 0.5860,
0.3623

 30.2005, 0.5528,
0.3680

 34.5753, 0.5141,
0.3694

 39.9829, 0.4744,
0.3672

 46.4864, 0.4369,
0.3624

■ 54.1435, 0.4034,
0.3561

■ 63.0079, 0.3745,
0.3491

■ 73.1295, 0.3501,
0.3421

■ 84.5556, 0.3297,
0.3353

Harmonies

Analogous

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



24.2505, 0.5720, 0.2737



24.2505, 0.6107, 0.3533



24.2505, 0.5435, 0.4516

Triad

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



24.2505, 0.6107, 0.3533



24.2505, 0.1743, 0.5335



24.2505, 0.1485, 0.1244

Complementary

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



24.2505, 0.6107, 0.3533



43.3986, 0.2012, 0.2442

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.



24.2505, 0.0973, 0.1323



24.2505, 0.6107, 0.3533



24.2505, 0.1020, 0.3132

Square

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



24.2505, 0.6107, 0.3533



24.2505, 0.2924, 0.6443



24.2505, 0.0822, 0.1827



24.2505, 0.2533, 0.1474

Rectangle

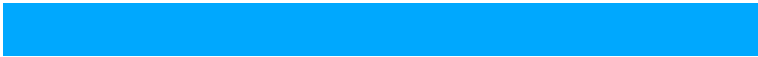
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.2505, 0.6107, 0.3533



24.2505, 0.4675, 0.5315



24.2505, 0.0822, 0.1827



24.2505, 0.1266, 0.1235

Sweetspot

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



24.2520, 0.6107, 0.3533



64.7175, 0.3746, 0.3491



24.3662, 0.3980, 0.1966



12.9969, 0.3862, 0.3521



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.



24.2520, 0.6107, 0.3533



24.9037, 0.6108, 0.3532



57.0827, 0.4729, 0.4627



17.9306, 0.3288, 0.3350



12.8302, 0.6079, 0.3555



1.3489, 0.5850, 0.3737

Inverse Universe

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



43.3986, 0.2012, 0.2442



44.5713, 0.2012, 0.2441



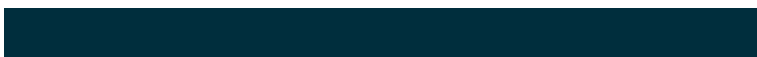
10.5819, 0.1572, 0.0860



18.8300, 0.2980, 0.3229



22.8563, 0.2016, 0.2458



2.2844, 0.2047, 0.2569

Previews

White Background



This preview shows how the Yxy color 24.2505, 0.6107, 0.3533 looks on a white background.

Color Contrast Check

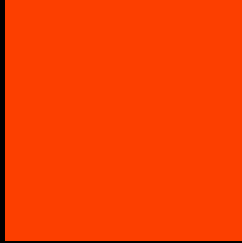
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2505, 0.6107, 0.3533 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 24.2505, 0.6107, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 24.2505, 0.6107, 0.3533.



This preview shows how white text looks on a background with the Yxy color 24.2505, 0.6107, 0.3533.

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

24.2505, 0.6107, 0.3533

Protanopia

24.3724, 0.4304, 0.4774

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.3368, 0.5801, 0.3292

Trichromacy



Original Color

24.2505, 0.6107, 0.3533

Protanomaly

21.6723, 0.5124, 0.4220

Deuteranomaly

22.3825, 0.5341, 0.4141

Tritanomaly

24.2543, 0.5982, 0.3416

Monochromacy



Original Color

24.2505, 0.6107, 0.3533

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2469, 0.4547, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2505, 0.6107, 0.3533 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(252, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 63, 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(252, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2505, 0.6107, 0.3533 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(252, 63, 0) }
```

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

```
.border{ border-color:rgb(252, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(252, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.2505, 0.6107, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 63, 0) }
```

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

```
.background{ background-color: rgb(252, 63,  
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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