

Converting Colors

$Y_{xy}(22.7586, 0.6016, 0.3605)$

Have a look what the booklet for
Yxy(22.7586, 0.6016, 0.3605)
contains.

Yxy(22.7815, 0.6019, 0.3603)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7815, 0.6019, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	F04500
RGB	240, 69, 0
RGB Percent	94%, 27%, 0%
CMY	0.0589, 0.7292, 1.0000
CMYK	0.00, 0.71, 1.00, 0.06
HSL	17°, 100%, 47%
HSV	17°, 100%, 94%
XYZ	38.0577, 22.7815, 2.3901
YIQ	112.2630, 124.0650, 14.7930

Conversions

Conversions Part 2

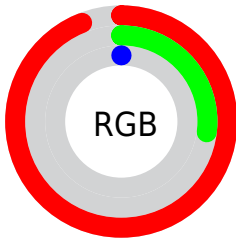
Format	Color
RYB	240, 97, 0
Decimal	15746304
CIELab	54.85, 63.16, 66.15
CIELCh	55, 91.458, 46.327
Yxy	22.7815, 0.6019, 0.3603
Android (android.graphics.Color)	4293936384 (0xFFFF04500)
YUV	112.2630, -55.3457, 112.0253
Hunter-Lab	47.7300, 58.8003, 30.4420

Details

The Yxy color **22.7815, 0.6019, 0.3603** 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 **35.3909, 0.1975, 0.2308**, and the grayscale version is **16.4288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7865, 0.5203, 0.3851**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.7830, 0.6019, 0.3603**, and if you desaturate by 10%, it is **25.2648, 0.5768, 0.3696**.

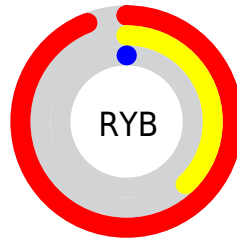
Distribution



Red (94%)

Green (27%)

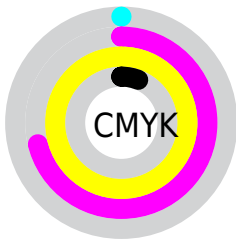
Blue (0%)



Red (94%)

Yellow (38%)

Blue (0%)

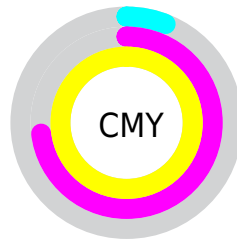


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7815, 0.6019, 0.3603 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 22.7815, 0.6019, 0.3603 by changing the saturation by 10% instead.


 22.7815, 0.6019,
0.3603


 22.7815, 0.6019,
0.3603


266.6007, 0.4547,
0.3683


 14.4323, 0.6327,
0.3485


 48.0343, 0.5516,
0.3706

 8.4219, 0.6701,
0.3299

 65.7066, 0.5314,
0.3722

 4.3661, 0.7045,
0.2955

 87.2555, 0.5140,
0.3726

 1.8804, 0.7531,
0.2469

 113.0652, 0.4988,
0.3723

 0.5365, 0.8354,
0.1646

 143.5202, 0.4856,
0.3716


 0.0000, 1.0000,
0.0000


 179.0048, 0.4740,


 0.0000, 0.0000,


0.3706


0.0000

 219.9036, 0.4638,
0.3695


 22.7815, 0.6019,
0.3603


 22.7815, 0.6019,
0.3603


 22.7830, 0.6019,
0.3603

 25.2648, 0.5768,
0.3696

 28.4811, 0.5444,
0.3751

 32.5001, 0.5073,
0.3760

 37.3759, 0.4694,
0.3729

 43.1573, 0.4336,
0.3672

■ 49.8891, 0.4014,
0.3599

■ 57.6131, 0.3735,
0.3520

■ 66.3683, 0.3496,
0.3440

■ 76.1917, 0.3296,
0.3363

Harmonies

Analogous

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



22.7815, 0.5691, 0.2806



22.7815, 0.6019, 0.3603



22.7815, 0.5342, 0.4578

Triad

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



22.7815, 0.6019, 0.3603



22.7815, 0.1741, 0.5139



22.7815, 0.1565, 0.1292

Complementary

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



22.7815, 0.6019, 0.3603



35.3909, 0.1975, 0.2308

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.



22.7815, 0.1034, 0.1356



22.7815, 0.6019, 0.3603



22.7815, 0.1050, 0.3053

Square

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



22.7815, 0.6019, 0.3603



22.7815, 0.2893, 0.6331



22.7815, 0.0868, 0.1830



22.7815, 0.2628, 0.1535

Rectangle

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



22.7815, 0.6019, 0.3603



22.7815, 0.4594, 0.5346



22.7815, 0.0868, 0.1830



22.7815, 0.1339, 0.1278

Sweetspot

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



22.7830, 0.6019, 0.3603



66.0395, 0.3737, 0.3521



21.4993, 0.4101, 0.2033



13.3031, 0.3850, 0.3555



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.



22.7830, 0.6019, 0.3603



26.0733, 0.6024, 0.3599



54.4803, 0.4645, 0.4694



16.4995, 0.3286, 0.3359



12.6711, 0.5990, 0.3626



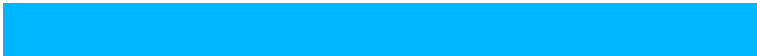
1.2184, 0.5733, 0.3830

Inverse Universe

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



35.3909, 0.1975, 0.2308



40.5263, 0.1974, 0.2305



8.7455, 0.1557, 0.0803



17.1157, 0.2981, 0.3220



19.6166, 0.1979, 0.2326



1.8014, 0.2019, 0.2468

Previews

White Background



This preview shows how the Yxy color 22.7815, 0.6019, 0.3603 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 22.7815, 0.6019, 0.3603 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 22.7815, 0.6019, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 22.7815, 0.6019, 0.3603.



This preview shows how white text looks on a background with the Yxy color 22.7815, 0.6019, 0.3603.

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

22.7815, 0.6019, 0.3603

Protanopia

22.8776, 0.4313, 0.4776

Deuteranopia

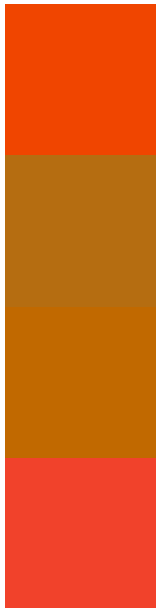
22.7742, 0.4705, 0.4646



Tritanopia

22.7728, 0.5626, 0.3275

Trichromacy



Original Color

22.7815, 0.6019, 0.3603

Protanomaly

20.8015, 0.5059, 0.4274

Deuteranomaly

21.4406, 0.5282, 0.4188

Tritanomaly

22.7716, 0.5851, 0.3446

Monochromacy



Original Color

22.7815, 0.6019, 0.3603

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1916, 0.4473, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7815, 0.6019, 0.3603 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, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 69, 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, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 69, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.7815, 0.6019, 0.3603 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, 69, 0) }
```

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

```
.border{ border-color:rgb(240, 69, 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, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 69, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.7815, 0.6019, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 69, 0) }
```

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

```
.background{ background-color: rgb(240, 69,  
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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