

Converting Colors

$Y_{xy}(22.5635, 0.6032, 0.3593)$

Have a look what the booklet for
Yxy(22.5635, 0.6032, 0.3593)
contains.

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Color

$\text{Yxy}(22.6595, 0.6029, 0.3595)$

Conversions

Conversions Part 1

Format	Color
Hex	F04400
RGB	240, 68, 0
RGB Percent	94%, 27%, 0%
CMY	0.0588, 0.7333, 1.0000
CMYK	0.00, 0.72, 1.00, 0.06
HSL	17°, 100%, 47%
HSV	17°, 100%, 94%
XYZ	38.0011, 22.6595, 2.3700
YIQ	111.6760, 124.3400, 15.3160

Conversions

Conversions Part 2

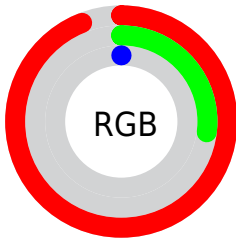
Format	Color
R_{YB}	240, 95, 0
Decimal	15746048
CIE _{Lab}	54.72, 63.52, 66.09
CIE _{LCh}	55, 91.665, 46.136
Yxy	22.6595, 0.6029, 0.3595
Android (android.graphics.Color)	4293936128 (0xFFFF04400)
YUV	111.6760, -55.0563, 112.5401
Hunter-Lab	47.6020, 59.1948, 30.3695

Details

The Yxy color **22.6595, 0.6029, 0.3595** 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 **35.7870, 0.1979, 0.2324**, and the grayscale version is **16.2430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5295, 0.5213, 0.3841**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.6609, 0.6029, 0.3595**, and if you desaturate by 10%, it is **25.1215, 0.5778, 0.3688**.

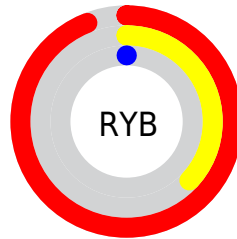
Distribution



Red (94%)

Green (27%)

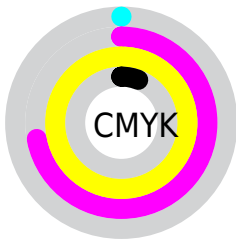
Blue (0%)



Red (94%)

Yellow (37%)

Blue (0%)

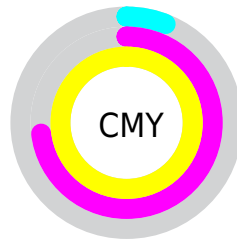


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6595, 0.6029, 0.3595 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 22.6595, 0.6029, 0.3595 by changing the saturation by 10% instead.


 22.6595, 0.6029,
0.3595


 22.6595, 0.6029,
0.3595


265.9713, 0.4551,
0.3680

 14.3423, 0.6338,
0.3475


 47.8336, 0.5524,
0.3700


 8.3591, 0.6714,
0.3286


 65.4593, 0.5321,
0.3717


 4.3256, 0.7060,
0.2940

 86.9566, 0.5146,
0.3722

 1.8573, 0.7549,
0.2451

 112.7100, 0.4994,
0.3719

 0.5225, 0.8386,
0.1614

 143.1037, 0.4861,
0.3712


 0.0000, 1.0000,
0.0000


 178.5222, 0.4745,


 0.0000, 0.0000,


0.3703


0.0000


 219.3499, 0.4642,
0.3692


 22.6595, 0.6029,
0.3595


 22.6595, 0.6029,
0.3595


 22.6609, 0.6029,
0.3595

 25.1215, 0.5778,
0.3688

 28.3221, 0.5453,
0.3743

 32.3320, 0.5080,
0.3752

 37.2061, 0.4699,
0.3723

 42.9939, 0.4339,
0.3667

■ 49.7411, 0.4016,
0.3595

■ 57.4900, 0.3736,
0.3517

■ 66.2802, 0.3497,
0.3438

■ 76.1492, 0.3296,
0.3361

Harmonies

Analogous

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



22.6595, 0.5694, 0.2798



22.6595, 0.6029, 0.3595



22.6595, 0.5353, 0.4571

Triad

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



22.6595, 0.6029, 0.3595



22.6595, 0.1741, 0.5161



22.6595, 0.1556, 0.1287

Complementary

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



22.6595, 0.6029, 0.3595



35.7870, 0.1979, 0.2324

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.



22.6595, 0.1027, 0.1352



22.6595, 0.6029, 0.3595



22.6595, 0.1047, 0.3062

Square

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



22.6595, 0.6029, 0.3595



22.6595, 0.2897, 0.6344



22.6595, 0.0863, 0.1830



22.6595, 0.2617, 0.1528

Rectangle

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



22.6595, 0.6029, 0.3595



22.6595, 0.4604, 0.5343



22.6595, 0.0863, 0.1830



22.6595, 0.1330, 0.1273

Sweetspot

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



22.6609, 0.6029, 0.3595



65.8871, 0.3738, 0.3517



21.5028, 0.4101, 0.2033



13.2678, 0.3852, 0.3551



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.



22.6609, 0.6029, 0.3595



25.9299, 0.6034, 0.3591



54.4892, 0.4645, 0.4694



16.4883, 0.3286, 0.3358



12.6002, 0.6001, 0.3617



1.2113, 0.5743, 0.3822

Inverse Universe

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



35.7870, 0.1979, 0.2324



40.9751, 0.1978, 0.2321



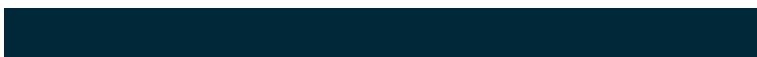
8.7469, 0.1557, 0.0803



17.1276, 0.2981, 0.3221



19.8286, 0.1984, 0.2341



1.8176, 0.2023, 0.2481

Previews

White Background



This preview shows how the Yxy color 22.6595, 0.6029, 0.3595 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 22.6595, 0.6029, 0.3595 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 22.6595, 0.6029, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 22.6595, 0.6029, 0.3595.



This preview shows how white text looks on a background with the Yxy color 22.6595, 0.6029, 0.3595.

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

22.6595, 0.6029, 0.3595

Protanopia

22.8776, 0.4313, 0.4776

Deuteranopia

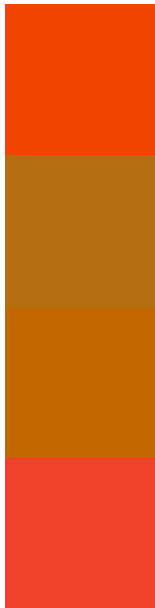
22.7742, 0.4705, 0.4646



Tritanopia

22.6491, 0.5645, 0.3275

Trichromacy



Original Color

22.6595, 0.6029, 0.3595

Protanomaly

20.8015, 0.5059, 0.4274

Deuteranomaly

21.2381, 0.5297, 0.4176

Tritanomaly

22.6485, 0.5867, 0.3444

Monochromacy



Original Color

22.6595, 0.6029, 0.3595

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 22.6595, 0.6029, 0.3595 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, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 68, 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, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.6595, 0.6029, 0.3595 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, 68, 0) }
```

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

```
.border{ border-color:rgb(240, 68, 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, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.6595, 0.6029, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 68, 0) }
```

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

```
.background{ background-color: rgb(240, 68,  
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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