

Converting Colors

$Y_{xy}(24.3222, 0.6018, 0.3603)$

Have a look what the booklet for
Yxy(24.3222, 0.6018, 0.3603)
contains.

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Color

Yxy(24.2806, 0.6022, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	F74700
RGB	247, 71, 0
RGB Percent	97%, 28%, 0%
CMY	0.0313, 0.7216, 0.9995
CMYK	0.00, 0.71, 1.00, 0.03
HSL	17°, 100%, 48%
HSV	17°, 100%, 97%
XYZ	40.6160, 24.2806, 2.5495
YIQ	115.5300, 127.6870, 15.2310

Conversions

Conversions Part 2

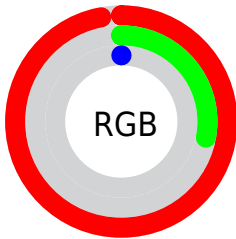
Format	Color
R _Y B	247, 100, 0
Decimal	16205568
CIE Lab	56.37, 64.68, 67.55
CIE LCh	56, 93.525, 46.246
Yxy	24.2806, 0.6022, 0.3600
Android (android.graphics.Color)	4294395648 (0xFFFF74700)
YUV	115.5300, -56.9563, 115.2992
Hunter-Lab	49.2753, 60.8998, 31.4251

Details

The Yxy color **24.2806, 0.6022, 0.3600** 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 **37.8297, 0.1975, 0.2310**, and the grayscale version is **17.4649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3194, 0.5176, 0.3864**, and **9.8238, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.2703, 0.6023, 0.3600**, and if you desaturate by 10%, it is **26.9246, 0.5773, 0.3694**.

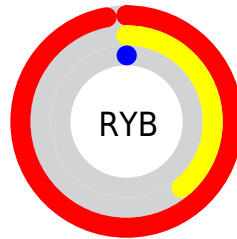
Distribution



Red (97%)

Green (28%)

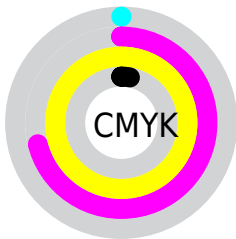
Blue (0%)



Red (97%)

Yellow (39%)

Blue (0%)

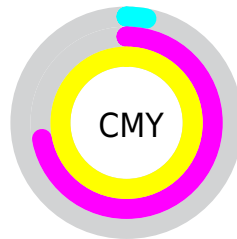


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2806, 0.6022, 0.3600 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 24.2806, 0.6022, 0.3600 by changing the saturation by 10% instead.


 24.2806, 0.6022,
0.3600


 24.2806, 0.6022,
0.3600


274.2360, 0.4565,
0.3684

 15.5419, 0.6322,
0.3484


 50.4877, 0.5528,
0.3702

 9.2006, 0.6693,
0.3307


 68.7249, 0.5328,
0.3719


 4.8722, 0.7024,
0.2976

 90.8971, 0.5156,
0.3724

 2.1725, 0.7487,
0.2513

 117.3886, 0.5005,
0.3722

 0.7049, 0.8185,
0.1815

 148.5838, 0.4873,
0.3715

 0.0000, 1.0000,
0.0000


 184.8672, 0.4758,


 0.0000, 0.0000,

0.3706


0.0000

 226.6232, 0.4655,
0.3695

 24.2806, 0.6022,
0.3600


 24.2806, 0.6022,
0.3600

 24.2703, 0.6023,
0.3600

 26.9246, 0.5773,
0.3694

 30.3548, 0.5448,
0.3749

 34.6454, 0.5076,
0.3759

 39.8548, 0.4697,
0.3729

 46.0354, 0.4337,
0.3671

■ 53.2354, 0.4015,
0.3599

■ 61.4999, 0.3735,
0.3519

■ 70.8707, 0.3496,
0.3439

■ 81.3876, 0.3295,
0.3362

Harmonies

Analogous

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



24.2806, 0.5691, 0.2803



24.2806, 0.6022, 0.3600



24.2806, 0.5344, 0.4573

Triad

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



24.2806, 0.6022, 0.3600



24.2806, 0.1742, 0.5147



24.2806, 0.1562, 0.1291

Complementary

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



24.2806, 0.6022, 0.3600



37.8297, 0.1975, 0.2310

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.



24.2806, 0.1032, 0.1355



24.2806, 0.6022, 0.3600



24.2806, 0.1050, 0.3057

Square

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



24.2806, 0.6022, 0.3600



24.2806, 0.2895, 0.6334



24.2806, 0.0867, 0.1831



24.2806, 0.2624, 0.1533

Rectangle

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



24.2806, 0.6022, 0.3600



24.2806, 0.4595, 0.5340



24.2806, 0.0867, 0.1831



24.2806, 0.1336, 0.1277

Sweetspot

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



24.2821, 0.6022, 0.3600



66.0146, 0.3737, 0.3520



22.9568, 0.4102, 0.2034



13.2973, 0.3851, 0.3554



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.



24.2821, 0.6022, 0.3600



26.0496, 0.6026, 0.3597



58.1493, 0.4645, 0.4693



17.2571, 0.3286, 0.3359



13.0431, 0.5994, 0.3623



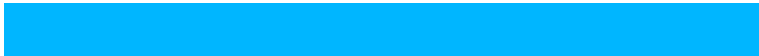
1.3149, 0.5750, 0.3817

Inverse Universe

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



37.8297, 0.1975, 0.2310



40.5995, 0.1974, 0.2307



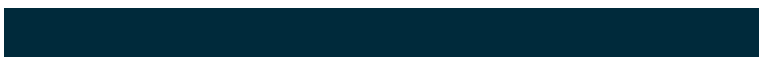
9.3203, 0.1556, 0.0802



17.9071, 0.2980, 0.3220



20.2511, 0.1980, 0.2327



1.9551, 0.2017, 0.2462

Previews

White Background



This preview shows how the Yxy color 24.2806, 0.6022, 0.3600 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 24.2806, 0.6022, 0.3600 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 24.2806, 0.6022, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 24.2806, 0.6022, 0.3600.



This preview shows how white text looks on a background with the Yxy color 24.2806, 0.6022, 0.3600.

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

24.2806, 0.6022, 0.3600

Protanopia

24.4598, 0.4325, 0.4778

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.2826, 0.5630, 0.3275

Trichromacy



Original Color

24.2806, 0.6022, 0.3600

Protanomaly

22.1936, 0.5074, 0.4268

Deuteranomaly

22.8672, 0.5289, 0.4183

Tritanomaly

24.2726, 0.5857, 0.3448

Monochromacy



Original Color

24.2806, 0.6022, 0.3600

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5013, 0.4457, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2806, 0.6022, 0.3600 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(247, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 71, 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(247, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 71, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2806, 0.6022, 0.3600 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(247, 71, 0) }
```

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

```
.border{ border-color:rgb(247, 71, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 71, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.2806, 0.6022, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 71, 0) }
```

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

```
.background{ background-color: rgb(247, 71,  
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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