

Converting Colors

$Y_{xy}(24.2091, 0.6160, 0.3491)$

Have a look what the booklet for
Yxy(24.2091, 0.6160, 0.3491)
contains.

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Color

Yxy(24.1863, 0.6161, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	FF3900
RGB	255, 57, 0
RGB Percent	100%, 22%, 0%
CMY	0.0001, 0.7762, 0.9999
CMYK	0.00, 0.78, 1.00, 0.00
HSL	13°, 100%, 50%
HSV	13°, 100%, 100%
XYZ	42.6968, 24.1863, 2.4186
YIQ	109.7040, 136.3050, 24.2490

Conversions

Conversions Part 2

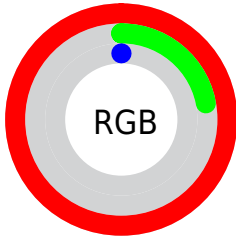
Format	Color
RYB	255, 73, 0
Decimal	16726272
CIELab	56.27, 71.41, 68.39
CIELCh	56, 98.874, 43.763
Yxy	24.1863, 0.6161, 0.3490
Android (android.graphics.Color)	4294916352 (0xFFFF3900)
YUV	109.7040, -54.0841, 127.4246
Hunter-Lab	49.1796, 68.9061, 31.5098

Details

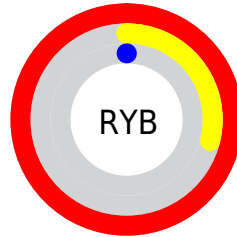
The Yxy color **24.1863, 0.6161, 0.3490** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **47.5776, 0.2038, 0.2537**, and the grayscale version is **15.6415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0407, 0.5272, 0.3784**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.1860, 0.6161, 0.3490**, and if you desaturate by 10%, it is **26.6153, 0.5919, 0.3576**.

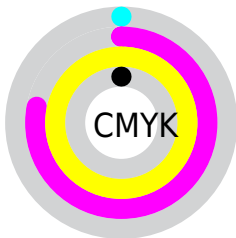
Distribution



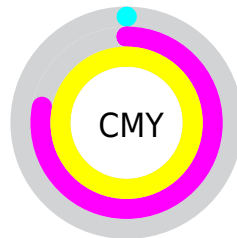
- Red (100%)
- Green (22%)
- Blue (0%)



- Red (100%)
- Yellow (29%)
- Blue (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (78%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1863, 0.6161, 0.3490 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 24.1863, 0.6161, 0.3490 by changing the saturation by 10% instead.


 24.1863, 0.6161,
0.3490


 24.1863, 0.6161,
0.3490


273.7610, 0.4640,
0.3647


 15.4719, 0.6472,
0.3355


 50.3340, 0.5648,
0.3621


 9.1512, 0.6846,
0.3154


 68.5362, 0.5440,
0.3648


 4.8400, 0.7193,
0.2807

 90.6696, 0.5260,
0.3662

 2.1537, 0.7671,
0.2329

 117.1188, 0.5102,
0.3667

 0.6946, 0.8371,
0.1629

 148.2682, 0.4964,
0.3666

 0.0000, 1.0000,
0.0000


 184.5021, 0.4843,


 0.0000, 0.0000,


0.3662


0.0000


 226.2049, 0.4736,
0.3655

 24.1863, 0.6161,
0.3490


 24.1863, 0.6161,
0.3490

 24.1860, 0.6161,
0.3490

 26.6153, 0.5919,
0.3576

 29.9791, 0.5582,
0.3632

 34.3772, 0.5185,
0.3649

 39.8894, 0.4776,
0.3631

 46.5872, 0.4390,
0.3589

■ 54.5360, 0.4047,
0.3533

■ 63.7960, 0.3752,
0.3470

■ 74.4236, 0.3504,
0.3407

■ 86.4719, 0.3298,
0.3347

Harmonies

Analogous

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



24.1863, 0.5737, 0.2696



24.1863, 0.6161, 0.3490



24.1863, 0.5494, 0.4479

Triad

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



24.1863, 0.6161, 0.3490



24.1863, 0.1743, 0.5457



24.1863, 0.1437, 0.1215

Complementary

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



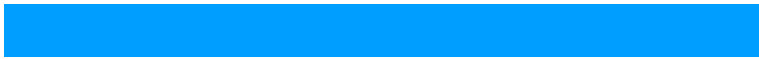
24.1863, 0.6161, 0.3490



47.5776, 0.2038, 0.2537

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.



24.1863, 0.0937, 0.1303



24.1863, 0.6161, 0.3490



24.1863, 0.1001, 0.3181

Square

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



24.1863, 0.6161, 0.3490



24.1863, 0.2941, 0.6508



24.1863, 0.0794, 0.1825



24.1863, 0.2476, 0.1436

Rectangle

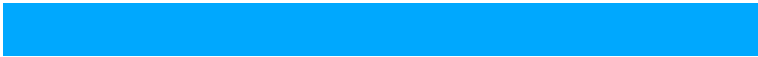
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.1863, 0.6161, 0.3490



24.1863, 0.4715, 0.5285



24.1863, 0.0794, 0.1825



24.1863, 0.1222, 0.1209

Sweetspot

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



24.1878, 0.6161, 0.3490



63.8008, 0.3752, 0.3470



25.4136, 0.3861, 0.1901



12.7852, 0.3870, 0.3497



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.



24.1878, 0.6161, 0.3490



24.1912, 0.6161, 0.3490



55.0148, 0.4815, 0.4559



18.6460, 0.3289, 0.3344



12.8211, 0.6135, 0.3511



1.4028, 0.5923, 0.3679

Inverse Universe

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



47.5776, 0.2038, 0.2537



47.5854, 0.2038, 0.2537



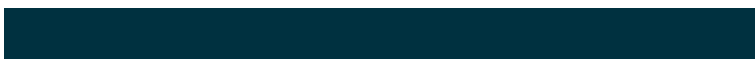
11.8869, 0.1591, 0.0928



19.7514, 0.2980, 0.3236



25.0979, 0.2042, 0.2550



2.6050, 0.2068, 0.2644

Previews

White Background



This preview shows how the Yxy color 24.1863, 0.6161, 0.3490 looks on a white background.

Color Contrast Check

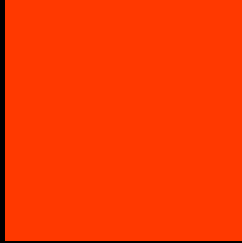
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1863, 0.6161, 0.3490 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 24.1863, 0.6161, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 24.1863, 0.6161, 0.3490.



This preview shows how white text looks on a background with the Yxy color 24.1863, 0.6161, 0.3490.

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

24.1863, 0.6161, 0.3490

Protanopia

24.3775, 0.4299, 0.4767

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.2682, 0.5884, 0.3298

Trichromacy



Original Color

24.1863, 0.6161, 0.3490

Protanomaly

21.3812, 0.5159, 0.4184

Deuteranomaly

22.2571, 0.5387, 0.4105

Tritanomaly

24.2097, 0.6036, 0.3402

Monochromacy



Original Color

24.1863, 0.6161, 0.3490

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.7109, 0.4593, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1863, 0.6161, 0.3490 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(255, 57, 0)` looks like.

```
.text, #text, p{  
  color:rgb(255, 57, 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(255, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 57, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1863, 0.6161, 0.3490 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(255, 57, 0) }
```

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

```
.border{ border-color:rgb(255, 57, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 57, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 57, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.1863, 0.6161, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 57, 0) }
```

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

```
.background{ background-color: rgb(255, 57,  
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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