

Converting Colors

$Y_{xy}(24.4412, 0.6142, 0.3505)$

Have a look what the booklet for
Yxy(24.4412, 0.6142, 0.3505)
contains.

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Color

Yxy(24.4917, 0.6138, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	FF3C00
RGB	255, 60, 0
RGB Percent	100%, 24%, 0%
CMY	0.0000, 0.7646, 0.9996
CMYK	0.00, 0.76, 1.00, 0.00
HSL	14°, 100%, 50%
HSV	14°, 100%, 100%
XYZ	42.8535, 24.4917, 2.4715
YIQ	111.4650, 135.4800, 22.6800

Conversions

Conversions Part 2

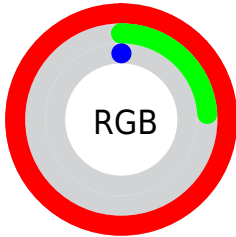
Format	Color
R_{YB}	255, 78, 0
Decimal	16727040
CIE Lab	56.58, 70.57, 68.50
CIE LCh	57, 98.351, 44.149
Yxy	24.4917, 0.6138, 0.3508
Android (android.graphics.Color)	4294917120 (0xFFFF3C00)
YUV	111.4650, -54.9522, 125.8802
Hunter-Lab	49.4891, 67.9605, 31.6814

Details

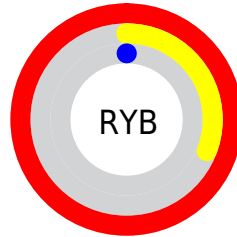
The Yxy color **24.4917, 0.6138, 0.3508** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **46.2753, 0.2027, 0.2496**, and the grayscale version is **16.1803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5269, 0.5252, 0.3803**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.4850, 0.6139, 0.3508**, and if you desaturate by 10%, it is **27.0002, 0.5894, 0.3596**.

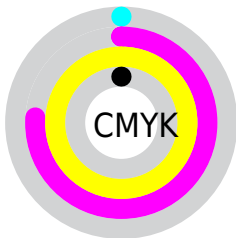
Distribution



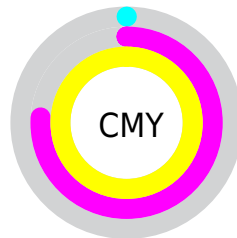
- Red (100%)
- Green (24%)
- Blue (0%)



- Red (100%)
- Yellow (31%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (76%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4917, 0.6138, 0.3508 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 24.4917, 0.6138, 0.3508 by changing the saturation by 10% instead.


 24.4917, 0.6138,
0.3508


 24.4917, 0.6138,
0.3508


275.2970, 0.4631,
0.3653


 15.6988, 0.6446,
0.3377


 50.8314, 0.5630,
0.3634


 9.3112, 0.6819,
0.3181


 69.1470, 0.5424,
0.3660


 4.9447, 0.7161,
0.2839


 91.4055, 0.5245,
0.3672

 2.2149, 0.7633,
0.2367

 117.9915, 0.5089,
0.3676

 0.7281, 0.8317,
0.1683

 149.2892, 0.4952,
0.3674

 0.0000, 1.0000,
0.0000

 185.6831, 0.4832,

 0.0000, 0.0000,


0.3669

0.0000


 227.5576, 0.4725,
0.3662

 24.4917, 0.6138,
0.3508

 24.4917, 0.6138,
0.3508


 24.4850, 0.6139,
0.3508

 27.0002, 0.5894,
0.3596

 30.4288, 0.5558,
0.3653

 34.8729, 0.5165,
0.3668

 40.4091, 0.4761,
0.3648

 47.1057, 0.4380,
0.3604

■ 55.0257, 0.4040,
0.3544

■ 64.2269, 0.3748,
0.3479

■ 74.7636, 0.3502,
0.3413

■ 86.6869, 0.3297,
0.3349

Harmonies

Analogous

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



24.4917, 0.5729, 0.2713



24.4917, 0.6138, 0.3508



24.4917, 0.5469, 0.4494

Triad

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



24.4917, 0.6138, 0.3508



24.4917, 0.1744, 0.5405



24.4917, 0.1457, 0.1228

Complementary

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



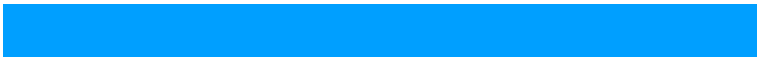
24.4917, 0.6138, 0.3508



46.2753, 0.2027, 0.2496

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.



24.4917, 0.0952, 0.1312



24.4917, 0.6138, 0.3508



24.4917, 0.1009, 0.3161

Square

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



24.4917, 0.6138, 0.3508



24.4917, 0.2934, 0.6481



24.4917, 0.0806, 0.1826



24.4917, 0.2500, 0.1452

Rectangle

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



24.4917, 0.6138, 0.3508



24.4917, 0.4701, 0.5299



24.4917, 0.0806, 0.1826



24.4917, 0.1240, 0.1220

Sweetspot

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



24.4932, 0.6138, 0.3508



64.1947, 0.3749, 0.3479



25.2235, 0.3920, 0.1933



12.8761, 0.3867, 0.3507



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.



24.4932, 0.6138, 0.3508



24.4874, 0.6139, 0.3508



56.8066, 0.4771, 0.4593



18.6801, 0.3289, 0.3347



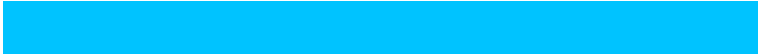
12.9832, 0.6112, 0.3529



1.4230, 0.5898, 0.3699

Inverse Universe

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



46.2753, 0.2027, 0.2496



46.2687, 0.2027, 0.2496



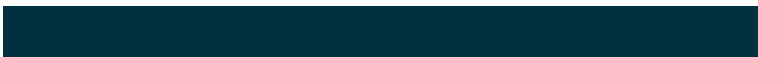
11.3626, 0.1582, 0.0893



19.7148, 0.2980, 0.3233



24.4171, 0.2031, 0.2510



2.5440, 0.2058, 0.2609

Previews

White Background



This preview shows how the Yxy color 24.4917, 0.6138, 0.3508 looks on a white background.

Color Contrast Check

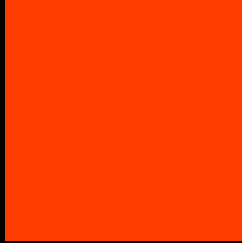
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4917, 0.6138, 0.3508 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 24.4917, 0.6138, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 24.4917, 0.6138, 0.3508.



This preview shows how white text looks on a background with the Yxy color 24.4917, 0.6138, 0.3508.

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

24.4917, 0.6138, 0.3508

Protanopia

24.4744, 0.4311, 0.4758

Deuteranopia

24.4712, 0.4714, 0.4639



Tritanopia

24.4917, 0.5842, 0.3292

Trichromacy



Original Color

24.4917, 0.6138, 0.3508

Protanomaly

21.7193, 0.5154, 0.4190

Deuteranomaly

22.4572, 0.5372, 0.4116

Tritanomaly

24.4197, 0.6009, 0.3406

Monochromacy



Original Color

24.4917, 0.6138, 0.3508

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.8958, 0.4568, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4917, 0.6138, 0.3508 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, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 60, 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, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 60, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.4917, 0.6138, 0.3508 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, 60, 0) }
```

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

```
.border{ border-color:rgb(255, 60, 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, 60, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 60, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.4917, 0.6138, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 60, 0) }
```

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

```
.background{ background-color: rgb(255, 60,  
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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