

Converting Colors

$Y_{xy}(24.7713, 0.6118, 0.3525)$

Have a look what the booklet for
Yxy(24.7713, 0.6118, 0.3525)
contains.

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Color

Yxy(24.8150, 0.6114, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	FF3F00
RGB	255, 63, 0
RGB Percent	100%, 25%, 0%
CMY	0.0000, 0.7529, 0.9995
CMYK	0.00, 0.75, 1.00, 0.00
HSL	15°, 100%, 50%
HSV	15°, 100%, 100%
XYZ	43.0164, 24.8150, 2.5258
YIQ	113.2260, 134.6550, 21.1110

Conversions

Conversions Part 2

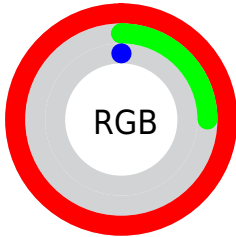
Format	Color
R_{YB}	255, 84, 0
Decimal	16727808
CIE Lab	56.89, 69.68, 68.64
CIE LCh	57, 97.813, 44.568
Yxy	24.8150, 0.6114, 0.3527
Android (android.graphics.Color)	4294917888 (0xFFFF3F00)
YUV	113.2260, -55.8204, 124.3358
Hunter-Lab	49.8147, 66.9643, 31.8640

Details

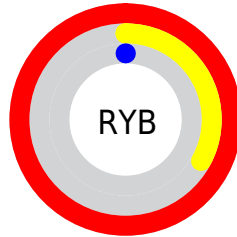
The Yxy color **24.8150, 0.6114, 0.3527** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **44.9580, 0.2015, 0.2454**, and the grayscale version is **16.7307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0342, 0.5225, 0.3816**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.8065, 0.6115, 0.3527**, and if you desaturate by 10%, it is **27.4007, 0.5868, 0.3617**.

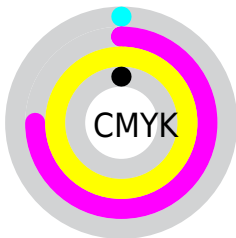
Distribution



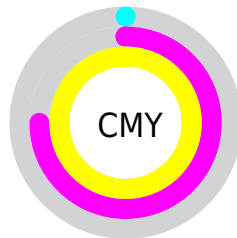
- Red (100%)
- Green (25%)
- Blue (0%)



- Red (100%)
- Yellow (33%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8150, 0.6114, 0.3527 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 24.8150, 0.6114, 0.3527 by changing the saturation by 10% instead.


 24.8150, 0.6114,
0.3527


 24.8150, 0.6114,
0.3527


276.9154, 0.4621,
0.3660


 15.9393, 0.6418,
0.3400


 51.3569, 0.5611,
0.3648


 9.4812, 0.6790,
0.3210


 69.7919, 0.5407,
0.3672


 5.0564, 0.7127,
0.2873

 92.1822, 0.5230,
0.3683

 2.2804, 0.7592,
0.2408

 118.9120, 0.5075,
0.3685

 0.7633, 0.8262,
0.1738

 150.3659, 0.4939,
0.3683


 0.0000, 1.0000,
0.0000


 186.9281, 0.4820,


 0.0000, 0.0000,


0.3677

0.0000

 228.9831, 0.4715,
0.3669

 24.8150, 0.6114,
0.3527


 24.8150, 0.6114,
0.3527


 24.8065, 0.6115,
0.3527

 27.4007, 0.5868,
0.3617

 30.8907, 0.5534,
0.3674

 35.3766, 0.5146,
0.3688

 40.9316, 0.4747,
0.3667

 47.6213, 0.4371,
0.3619

■ 55.5059, 0.4035,
0.3557

■ 64.6412, 0.3745,
0.3488

■ 75.0793, 0.3501,
0.3419

■ 86.8693, 0.3297,
0.3352

Harmonies

Analogous

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



24.8150, 0.5721, 0.2732



24.8150, 0.6114, 0.3527



24.8150, 0.5442, 0.4510

Triad

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



24.8150, 0.6114, 0.3527



24.8150, 0.1744, 0.5351



24.8150, 0.1479, 0.1241

Complementary

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



24.8150, 0.6114, 0.3527



44.9580, 0.2015, 0.2454

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.



24.8150, 0.0969, 0.1321



24.8150, 0.6114, 0.3527



24.8150, 0.1018, 0.3139

Square

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



24.8150, 0.6114, 0.3527



24.8150, 0.2927, 0.6452



24.8150, 0.0819, 0.1827



24.8150, 0.2525, 0.1469

Rectangle

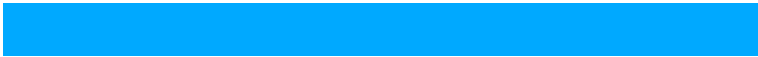
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.8150, 0.6114, 0.3527



24.8150, 0.4681, 0.5310



24.8150, 0.0819, 0.1827



24.8150, 0.1260, 0.1231

Sweetspot

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



24.8165, 0.6114, 0.3527



64.6002, 0.3747, 0.3489



25.2251, 0.3920, 0.1933



12.9698, 0.3863, 0.3518



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.



24.8165, 0.6114, 0.3527



24.8080, 0.6115, 0.3527



56.8108, 0.4771, 0.4593



18.7151, 0.3288, 0.3349



13.1580, 0.6088, 0.3548



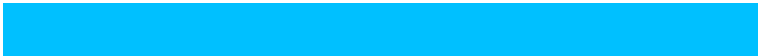
1.4444, 0.5871, 0.3720

Inverse Universe

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



44.9580, 0.2015, 0.2454



44.9472, 0.2015, 0.2453



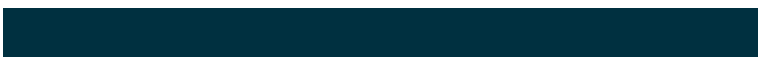
11.3647, 0.1582, 0.0893



19.6773, 0.2980, 0.3230



23.7336, 0.2019, 0.2469



2.4825, 0.2048, 0.2573

Previews

White Background



This preview shows how the Yxy color 24.8150, 0.6114, 0.3527 looks on a white background.

Color Contrast Check

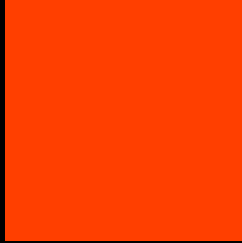
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8150, 0.6114, 0.3527 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 24.8150, 0.6114, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 24.8150, 0.6114, 0.3527.



This preview shows how white text looks on a background with the Yxy color 24.8150, 0.6114, 0.3527.

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

24.8150, 0.6114, 0.3527

Protanopia

24.8501, 0.4316, 0.4768

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.8286, 0.5793, 0.3292

Trichromacy



Original Color

24.8150, 0.6114, 0.3527

Protanomaly

22.2719, 0.5138, 0.4212

Deuteranomaly

23.0046, 0.5351, 0.4133

Tritanomaly

24.7440, 0.5974, 0.3416

Monochromacy



Original Color

24.8150, 0.6114, 0.3527

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.6516, 0.4549, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8150, 0.6114, 0.3527 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, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 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, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.8150, 0.6114, 0.3527 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, 63, 0) }
```

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

```
.border{ border-color:rgb(255, 63, 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, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.8150, 0.6114, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 63, 0) }
```

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

```
.background{ background-color: rgb(255, 63,  
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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