

Converting Colors

$Y_{xy}(24.9227, 0.6106, 0.3533)$

Have a look what the booklet for
Yxy(24.9227, 0.6106, 0.3533)
contains.

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Color

Yxy(24.9268, 0.6106, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	FF4000
RGB	255, 64, 0
RGB Percent	100%, 25%, 0%
CMY	0.0001, 0.7488, 1.0000
CMYK	0.00, 0.75, 1.00, 0.00
HSL	15°, 100%, 50%
HSV	15°, 100%, 100%
XYZ	43.0682, 24.9268, 2.5392
YIQ	113.8130, 134.3800, 20.5880

Conversions

Conversions Part 2

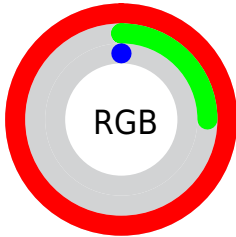
Format	Color
R_{YB}	255, 85, 0
Decimal	16728064
CIE Lab	57.00, 69.37, 68.73
CIE LCh	57, 97.649, 44.735
Yxy	24.9268, 0.6106, 0.3534
Android (android.graphics.Color)	4294918144 (0xFFFF4000)
YUV	113.8130, -56.1098, 123.8210
Hunter-Lab	49.9267, 66.6073, 31.9333

Details

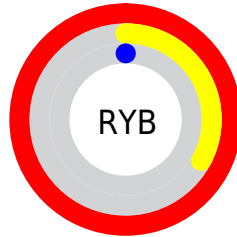
The Yxy color **24.9268, 0.6106, 0.3534** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **44.4519, 0.2011, 0.2438**, and the grayscale version is **16.9160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2861, 0.5215, 0.3825**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.9285, 0.6106, 0.3534**, and if you desaturate by 10%, it is **27.5368, 0.5860, 0.3625**.

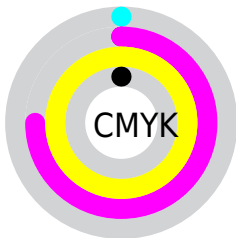
Distribution



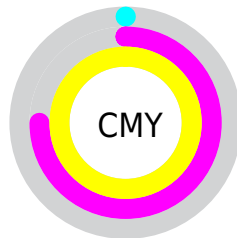
- Red (100%)
- Green (25%)
- Blue (0%)



- 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 24.9268, 0.6106, 0.3534 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 24.9268, 0.6106, 0.3534 by changing the saturation by 10% instead.


 24.9268, 0.6106,
0.3534


 24.9268, 0.6106,
0.3534


277.4732, 0.4618,
0.3663

 16.0225, 0.6409,
0.3408


 51.5384, 0.5605,
0.3653


 9.5401, 0.6780,
0.3220


 70.0146, 0.5401,
0.3676

 5.0951, 0.7115,
0.2885


 92.4502, 0.5225,
0.3687

 2.3032, 0.7578,
0.2422

 119.2296, 0.5071,
0.3689

 0.7754, 0.8244,
0.1756

 150.7372, 0.4935,
0.3686

 0.0000, 1.0000,
0.0000


 187.3574, 0.4817,


 0.0000, 0.0000,


0.3680

0.0000

 229.4746, 0.4711,
0.3672


 24.9268, 0.6106,
0.3534

 24.9268, 0.6106,
0.3534

 24.9285, 0.6106,
0.3534

 27.5368, 0.5860,
0.3625

 31.0441, 0.5527,
0.3682

 35.5395, 0.5141,
0.3696

 41.0949, 0.4744,
0.3673

 47.7750, 0.4369,
0.3625

■ 55.6390, 0.4034,
0.3562

■ 64.7419, 0.3746,
0.3492

■ 75.1351, 0.3501,
0.3422

■ 86.8669, 0.3297,
0.3354

Harmonies

Analogous

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



24.9268, 0.5720, 0.2738



24.9268, 0.6106, 0.3534



24.9268, 0.5433, 0.4516

Triad

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



24.9268, 0.6106, 0.3534



24.9268, 0.1743, 0.5332



24.9268, 0.1486, 0.1245

Complementary

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



24.9268, 0.6106, 0.3534



44.4519, 0.2011, 0.2438

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.



24.9268, 0.0974, 0.1323



24.9268, 0.6106, 0.3534



24.9268, 0.1020, 0.3130

Square

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



24.9268, 0.6106, 0.3534



24.9268, 0.2923, 0.6442



24.9268, 0.0823, 0.1827



24.9268, 0.2535, 0.1474

Rectangle

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



24.9268, 0.6106, 0.3534



24.9268, 0.4672, 0.5314



24.9268, 0.0823, 0.1827



24.9268, 0.1267, 0.1235

Sweetspot

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



24.9285, 0.6106, 0.3534



64.7526, 0.3746, 0.3492



25.0284, 0.3980, 0.1966



13.0050, 0.3862, 0.3522



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.



24.9285, 0.6106, 0.3534



24.9326, 0.6106, 0.3534



58.6211, 0.4729, 0.4627



18.7283, 0.3288, 0.3350



13.2259, 0.6078, 0.3556



1.4526, 0.5861, 0.3728

Inverse Universe

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



44.4519, 0.2011, 0.2438



44.4593, 0.2011, 0.2438



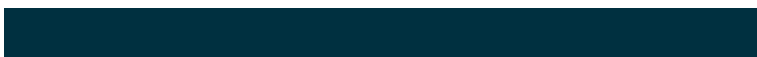
10.8569, 0.1572, 0.0859



19.6633, 0.2980, 0.3229



23.4811, 0.2015, 0.2453



2.4598, 0.2045, 0.2560

Previews

White Background



This preview shows how the Yxy color 24.9268, 0.6106, 0.3534 looks on a white background.

Color Contrast Check

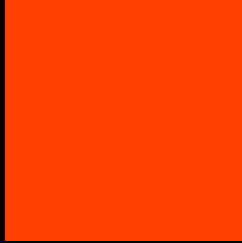
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9268, 0.6106, 0.3534 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 24.9268, 0.6106, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 24.9268, 0.6106, 0.3534.



This preview shows how white text looks on a background with the Yxy color 24.9268, 0.6106, 0.3534.

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

24.9268, 0.6106, 0.3534

Protanopia

25.1357, 0.4304, 0.4779

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.9453, 0.5776, 0.3291

Trichromacy



Original Color

24.9268, 0.6106, 0.3534

Protanomaly

22.4889, 0.5124, 0.4224

Deuteranomaly

23.0046, 0.5351, 0.4133

Tritanomaly

24.8517, 0.5967, 0.3422

Monochromacy



Original Color

24.9268, 0.6106, 0.3534

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.8461, 0.4524, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9268, 0.6106, 0.3534 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, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 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, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.9268, 0.6106, 0.3534 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, 64, 0) }
```

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

```
.border{ border-color:rgb(255, 64, 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, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 64, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.9268, 0.6106, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 0) }
```

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

```
.background{ background-color: rgb(255, 64,  
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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