

Converting Colors

$Y_{xy}(24.8142, 0.6016, 0.3454)$

Have a look what the booklet for
Yxy(24.8142, 0.6016, 0.3454)
contains.

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Color

Yxy(24.8042, 0.6016, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	FF3E1F
RGB	255, 62, 31
RGB Percent	100%, 24%, 12%
CMY	0.0001, 0.7566, 0.8785
CMYK	0.00, 0.76, 0.88, 0.00
HSL	8°, 100%, 56%
HSV	8°, 88%, 100%
XYZ	43.2027, 24.8042, 3.8061
YIQ	116.1730, 124.9790, 31.2750

Conversions

Conversions Part 2

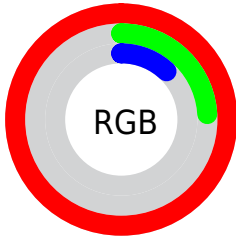
Format	Color
R_{YB}	255, 67, 31
Decimal	16727583
CIE _{Lab}	56.88, 70.28, 60.27
CIE _{LCh}	57, 92.585, 40.613
Yxy	24.8042, 0.6016, 0.3454
Android (android.graphics.Color)	4294917663 (0xFFFF3E1F)
YUV	116.1730, -41.9903, 121.7513
Hunter-Lab	49.8038, 67.6845, 30.3316

Details

The Yxy color **24.8042, 0.6016, 0.3454** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **60.7667, 0.2155, 0.2895**, and the grayscale version is **17.6319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2694, 0.5077, 0.3688**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.7914, 0.6257, 0.3394**, and if you desaturate by 10%, it is **27.8892, 0.5653, 0.3494**.

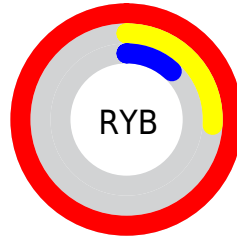
Distribution



Red (100%)

Green (24%)

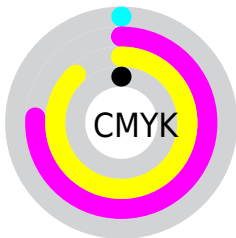
Blue (12%)



Red (100%)

Yellow (26%)

Blue (12%)

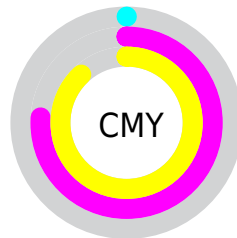


Cyan (0%)

Magenta (76%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8042, 0.6016, 0.3454 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 24.8042, 0.6016, 0.3454 by changing the saturation by 10% instead.


 24.8042, 0.6016,
0.3454

 24.8042, 0.6016,
0.3454


276.8614, 0.4531,
0.3580


 15.9312, 0.6341,
0.3341


 51.3394, 0.5498,
0.3561


 9.4755, 0.6751,
0.3171


 69.7704, 0.5295,
0.3583


 5.0526, 0.7142,
0.2858

 92.1563, 0.5119,
0.3593

 2.2782, 0.7608,
0.2392

 118.8813, 0.4968,
0.3597

 0.7621, 0.8279,
0.1721

 150.3300, 0.4837,
0.3596


 0.0000, 1.0000,
0.0000


 186.8866, 0.4722,


 0.0000, 0.0000,


0.3592


0.0000


 228.9356, 0.4621,
0.3587


 24.8042, 0.6016,
0.3454


 24.8042, 0.6016,
0.3454

 22.7914, 0.6257,
0.3394


 27.8892, 0.5653,
0.3494

 22.4790, 0.6296,
0.3383

 32.1682, 0.5222,
0.3507

 37.7498, 0.4781,
0.3496

 44.7292, 0.4371,
0.3469

 53.1925, 0.4013,
0.3434

63.2189, 0.3712,
0.3394

74.8818, 0.3463,
0.3355

88.2502, 0.3260,
0.3318

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



24.8042, 0.5449, 0.2673



24.8042, 0.6016, 0.3454



24.8042, 0.5497, 0.4371

Triad

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



24.8042, 0.6016, 0.3454



24.8042, 0.1958, 0.5473



24.8042, 0.1447, 0.1300

Complementary

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



24.8042, 0.6016, 0.3454



60.7667, 0.2155, 0.2895

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.



24.8042, 0.0997, 0.1429



24.8042, 0.6016, 0.3454



24.8042, 0.1160, 0.3406

Square

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



24.8042, 0.6016, 0.3454



24.8042, 0.3146, 0.6270



24.8042, 0.0894, 0.2011



24.8042, 0.2388, 0.1484

Rectangle

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



24.8042, 0.6016, 0.3454



24.8042, 0.4811, 0.5110



24.8042, 0.0894, 0.2011



24.8042, 0.1252, 0.1305

Sweetspot

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



24.8057, 0.6016, 0.3454



65.2626, 0.3662, 0.3387



27.6764, 0.3530, 0.1766



13.1641, 0.3757, 0.3401



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.



24.8057, 0.6016, 0.3454



22.4843, 0.6296, 0.3383



51.1816, 0.4871, 0.4421



18.3933, 0.3291, 0.3324



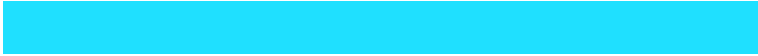
11.8714, 0.6277, 0.3398



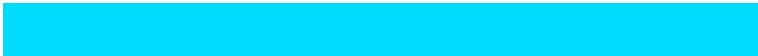
1.2736, 0.6098, 0.3540

Inverse Universe

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



60.7667, 0.2155, 0.2895



58.2092, 0.2121, 0.2835



19.3456, 0.1741, 0.1373



20.0263, 0.2980, 0.3256



30.5812, 0.2123, 0.2843



3.0908, 0.2139, 0.2899

Previews

White Background



This preview shows how the Yxy color 24.8042, 0.6016, 0.3454 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 24.8042, 0.6016, 0.3454 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 24.8042, 0.6016, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 24.8042, 0.6016, 0.3454.



This preview shows how white text looks on a background with the Yxy color 24.8042, 0.6016, 0.3454.

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

24.8042, 0.6016, 0.3454

Protanopia

24.8854, 0.4189, 0.4605

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.8286, 0.5793, 0.3292

Trichromacy



Original Color

24.8042, 0.6016, 0.3454

Protanomaly

22.2662, 0.4992, 0.4082

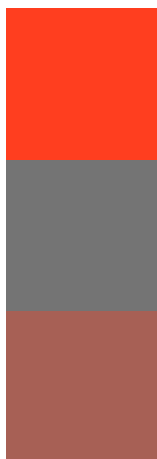
Deuteranomaly

22.8238, 0.5338, 0.4096

Tritanomaly

24.8278, 0.5890, 0.3363

Monochromacy



Original Color

24.8042, 0.6016, 0.3454

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2371, 0.4372, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8042, 0.6016, 0.3454 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, 62, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 31)  
}
```

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, 62, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 31) }
```

Border

The CSS property to change the border of an element to Yxy 24.8042, 0.6016, 0.3454 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, 62, 31) }
```

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

```
.border{ border-color:rgb(255, 62, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 62, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8042, 0.6016, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 31) }
```

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

```
.background{ background-color: rgb(255, 62,  
31) }
```

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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