

Converting Colors

$Y_{xy}(28.8171, 0.6056, 0.3395)$

Have a look what the booklet for
Yxy(28.8171, 0.6056, 0.3395)
contains.

Yxy(24.5279, 0.5996, 0.3408)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.5279, 0.5996, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	FF3B26
RGB	255, 59, 38
RGB Percent	100%, 23%, 15%
CMY	0.0000, 0.7686, 0.8512
CMYK	0.00, 0.77, 0.85, 0.00
HSL	6°, 100%, 57%
HSV	6°, 85%, 100%
XYZ	43.1541, 24.5279, 4.2895
YIQ	115.2100, 123.5570, 35.0210

Conversions

Conversions Part 2

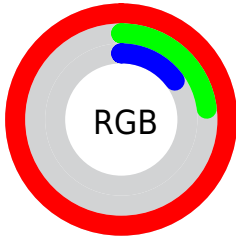
Format	Color
R_{YB}	255, 61, 38
Decimal	16726822
CIE _{Lab}	56.61, 71.31, 57.14
CIE _{LCh}	57, 91.380, 38.705
Yxy	24.5279, 0.5996, 0.3408
Android (android.graphics.Color)	4294916902 (0xFFFF3B26)
YUV	115.2100, -38.0645, 122.5958
Hunter-Lab	49.5256, 68.8659, 29.5327

Details

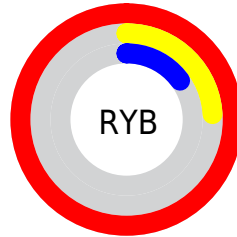
The Yxy color **24.5279, 0.5996, 0.3408** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **66.4423, 0.2197, 0.3026**, and the grayscale version is **17.3016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8672, 0.5038, 0.3619**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.5487, 0.6260, 0.3366**, and if you desaturate by 10%, it is **27.6644, 0.5607, 0.3434**.

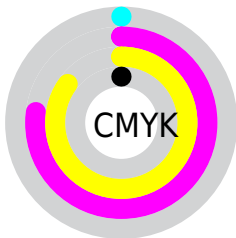
Distribution



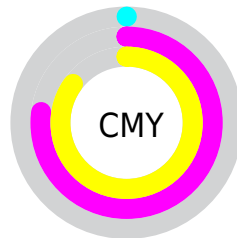
- Red (100%)
- Green (23%)
- Blue (15%)



- Red (100%)
- Yellow (24%)
- Blue (15%)



- Cyan (0%)
- Magenta (77%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (77%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5279, 0.5996, 0.3408 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 24.5279, 0.5996, 0.3408 by changing the saturation by 10% instead.


 24.5279, 0.5996,
0.3408


 24.5279, 0.5996,
0.3408


275.4786, 0.4506,
0.3545


 15.7257, 0.6330,
0.3296


 50.8903, 0.5471,
0.3515

 9.3302, 0.6738,
0.3122


 69.2193, 0.5266,
0.3538


 4.9572, 0.7177,
0.2823

 91.4926, 0.5091,
0.3550

 2.2222, 0.7650,
0.2350

 118.0947, 0.4940,
0.3556

 0.7320, 0.8332,
0.1668

 149.4099, 0.4810,
0.3556

 0.0000, 1.0000,
0.0000

 185.8228, 0.4695,

 0.0000, 0.0000,

0.3554

0.0000

227.7175, 0.4595,
0.3550

■ 24.5279, 0.5996,
0.3408

■ 24.5279, 0.5996,
0.3408

■ 22.5487, 0.6260,
0.3366

■ 27.6644, 0.5607,
0.3434


■ 21.9443, 0.6342,
0.3347


■ 32.0968, 0.5156,
0.3440

■ 37.9471, 0.4704,
0.3430

■ 45.3226, 0.4293,
0.3410

■ 54.3200, 0.3939,
0.3384

 65.0280, 0.3646,
0.3356

 77.5290, 0.3406,
0.3329

 91.9001, 0.3212,
0.3303

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.5279, 0.5352, 0.2632



24.5279, 0.5996, 0.3408



24.5279, 0.5539, 0.4308

Triad

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



24.5279, 0.5996, 0.3408



24.5279, 0.2038, 0.5559



24.5279, 0.1417, 0.1309

Complementary

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



24.5279, 0.5996, 0.3408



66.4423, 0.2197, 0.3026

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.



24.5279, 0.0992, 0.1461



24.5279, 0.5996, 0.3408



24.5279, 0.1208, 0.3530

Square

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



24.5279, 0.5996, 0.3408



24.5279, 0.3233, 0.6227



24.5279, 0.0911, 0.2083



24.5279, 0.2318, 0.1474

Rectangle

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



24.5279, 0.5996, 0.3408



24.5279, 0.4878, 0.5032



24.5279, 0.0911, 0.2083



24.5279, 0.1231, 0.1322

Sweetspot

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



24.5289, 0.5996, 0.3408



64.0111, 0.3670, 0.3359



28.7525, 0.3394, 0.1706



12.8761, 0.3766, 0.3368



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.



24.5289, 0.5996, 0.3408



21.9443, 0.6342, 0.3347



48.1527, 0.4936, 0.4325



18.2704, 0.3292, 0.3314



11.5597, 0.6326, 0.3359



1.2159, 0.6183, 0.3472

Inverse Universe

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



66.4423, 0.2197, 0.3026



63.9566, 0.2160, 0.2976



23.1712, 0.1805, 0.1571



20.1623, 0.2980, 0.3266



33.5420, 0.2162, 0.2982



3.3497, 0.2172, 0.3020

Previews

White Background



This preview shows how the Yxy color 24.5279, 0.5996, 0.3408 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 24.5279, 0.5996, 0.3408 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 24.5279, 0.5996, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 24.5279, 0.5996, 0.3408.



This preview shows how white text looks on a background with the Yxy color 24.5279, 0.5996, 0.3408.

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

24.5279, 0.5996, 0.3408

Protanopia

24.4830, 0.4115, 0.4516

Deuteranopia

24.4712, 0.4714, 0.4639



Tritanopia

24.4917, 0.5842, 0.3292

Trichromacy



Original Color

24.5279, 0.5996, 0.3408

Protanomaly

21.7742, 0.4940, 0.3995

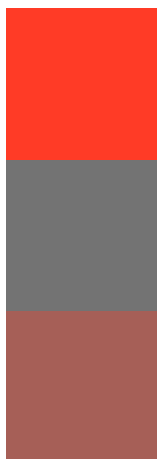
Deuteranomaly

22.4889, 0.5335, 0.4083

Tritanomaly

24.5251, 0.5902, 0.3339

Monochromacy



Original Color

24.5279, 0.5996, 0.3408

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.9795, 0.4336, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5279, 0.5996, 0.3408 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, 59, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 38)  
}
```

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, 59, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 38) }
```

Border

The CSS property to change the border of an element to Yxy 24.5279, 0.5996, 0.3408 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, 59, 38) }
```

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

```
.border{ border-color:rgb(255, 59, 38) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5279, 0.5996, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 38) }
```

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

```
.background{ background-color: rgb(255, 59,  
38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor