

Converting Colors

$Y_{xy}(24.6219, 0.5886, 0.3338)$

Have a look what the booklet for
Yxy(24.6219, 0.5886, 0.3338)
contains.

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Color

Yxy(24.6359, 0.5886, 0.3339)

Conversions

Conversions Part 1	
Format	Color
Hex	FF3B34
RGB	255, 59, 52
RGB Percent	100%, 23%, 20%
CMY	0.0000, 0.7687, 0.7960
CMYK	0.00, 0.77, 0.80, 0.00
HSL	2°, 100%, 60%
HSV	2°, 80%, 100%
XYZ	43.4282, 24.6359, 5.7181
YIQ	116.8060, 119.0630, 39.3750

Conversions

Conversions Part 2

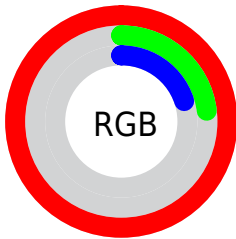
Format	Color
RYB	255, 59, 52
Decimal	16726836
CIELab	56.72, 71.66, 50.48
CIELCh	57, 87.658, 35.162
Yxy	24.6359, 0.5886, 0.3339
Android (android.graphics.Color)	4294916916 (0xFFFF3B34)
YUV	116.8060, -31.9494, 121.1961
Hunter-Lab	49.6346, 69.3198, 27.9137

Details

The Yxy color **24.6359, 0.5886, 0.3339** 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 **75.1096, 0.2262, 0.3203**, and the grayscale version is **17.7972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0992, 0.4905, 0.3506**, and **10.8298, 0.6374, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **22.5018, 0.6210, 0.3326**, and if you desaturate by 10%, it is **28.0840, 0.5448, 0.3345**.

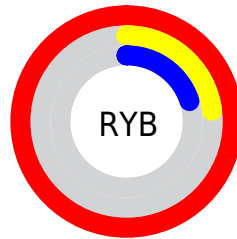
Distribution



Red (100%)

Green (23%)

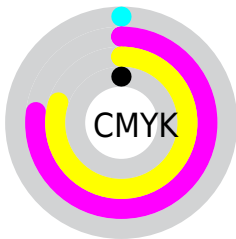
Blue (20%)



Red (100%)

Yellow (23%)

Blue (20%)

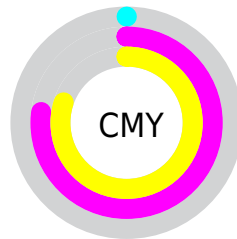


Cyan (0%)

Magenta (77%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6359, 0.5886, 0.3339 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 24.6359, 0.5886, 0.3339 by changing the saturation by 10% instead.


 24.6359, 0.5886,
0.3339


 24.6359, 0.5886,
0.3339


276.0198, 0.4429,
0.3481


 15.8060, 0.6229,
0.3237


 51.0659, 0.5361,
0.3439

 9.3870, 0.6638,
0.3069


 69.4348, 0.5161,
0.3462


 4.9944, 0.7182,
0.2818


 91.7522, 0.4990,
0.3475

 2.2440, 0.7653,
0.2347

 118.4024, 0.4845,
0.3482

 0.7438, 0.8329,
0.1671

 149.7699, 0.4719,
0.3485

 0.0000, 1.0000,
0.0000


 186.2391, 0.4610,


 0.0000, 0.0000,


0.3485

0.0000

228.1942, 0.4514,
0.3483


 24.6359, 0.5886,
0.3339


 24.6359, 0.5886,
0.3339

 22.5018, 0.6210,
0.3326


 28.0840, 0.5448,
0.3345


 21.4736, 0.6379,
0.3313


 33.0153, 0.4971,
0.3344


 21.4498, 0.6384,
0.3313

 39.5702, 0.4517,
0.3338

 47.8738, 0.4118,
0.3329

 58.0390, 0.3785,
0.3319

 70.1690, 0.3514,
0.3309

 84.3596, 0.3296,
0.3299

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.



24.6359, 0.5116, 0.2576



24.6359, 0.5886, 0.3339



24.6359, 0.5574, 0.4203

Triad

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



24.6359, 0.5886, 0.3339



24.6359, 0.2220, 0.5622



24.6359, 0.1395, 0.1363

Complementary

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



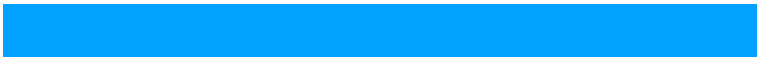
24.6359, 0.5886, 0.3339



75.1096, 0.2262, 0.3203

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.



24.6359, 0.1020, 0.1561



24.6359, 0.5886, 0.3339



24.6359, 0.1340, 0.3753

Square

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



24.6359, 0.5886, 0.3339



24.6359, 0.3408, 0.6072



24.6359, 0.0982, 0.2252



24.6359, 0.2216, 0.1489

Rectangle

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



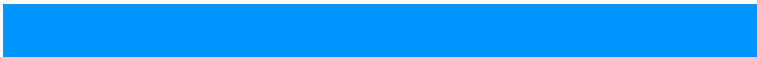
24.6359, 0.5886, 0.3339



24.6359, 0.4975, 0.4880



24.6359, 0.0982, 0.2252



24.6359, 0.1228, 0.1388

Sweetspot

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



24.6348, 0.5886, 0.3339



64.5803, 0.3626, 0.3313



30.5102, 0.3272, 0.1679



12.9162, 0.3725, 0.3317



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.



24.6348, 0.5886, 0.3339



21.7345, 0.6334, 0.3315



46.7466, 0.4924, 0.4225



18.0868, 0.3294, 0.3299



11.2512, 0.6377, 0.3319



1.1291, 0.6321, 0.3363

Inverse Universe

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



75.1096, 0.2262, 0.3203



73.5658, 0.2222, 0.3185



28.7397, 0.1900, 0.1828



20.3682, 0.2980, 0.3281



38.3414, 0.2217, 0.3182



3.7653, 0.2221, 0.3195

Previews

White Background



This preview shows how the Yxy color 24.6359, 0.5886, 0.3339 looks on a white background.

Color Contrast Check

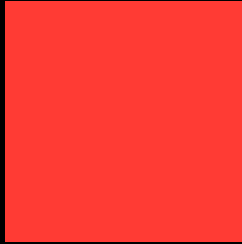
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6359, 0.5886, 0.3339 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 24.6359, 0.5886, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 24.6359, 0.5886, 0.3339.



This preview shows how white text looks on a background with the Yxy color 24.6359, 0.5886, 0.3339.

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

24.6359, 0.5886, 0.3339

Protanopia

24.5868, 0.3952, 0.4296

Deuteranopia

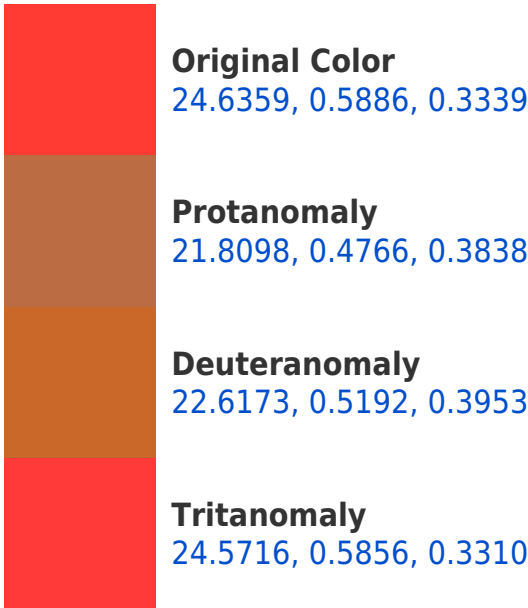
24.4798, 0.4584, 0.4498



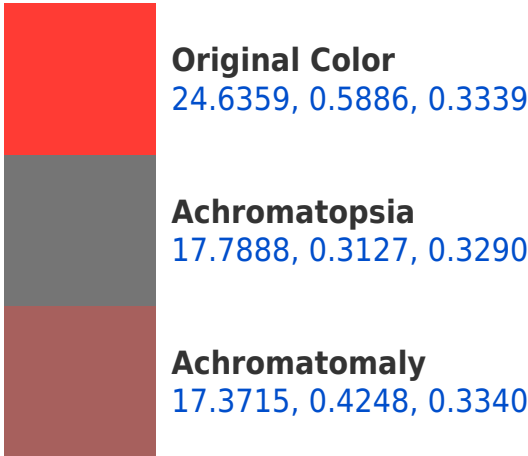
Tritanopia

24.6019, 0.5826, 0.3292

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6359, 0.5886, 0.3339 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 52) }
```

Border

The CSS property to change the border of an element to Yxy 24.6359, 0.5886, 0.3339 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, 52) }
```

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

```
.border{ border-color:rgb(255, 59, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6359, 0.5886, 0.3339 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, 52) }
```

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

```
.background{ background-color: rgb(255, 59,  
52) }
```

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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