

Converting Colors

$Yxy(24.2587, 0.5894, 0.3304)$

Have a look what the booklet for
Yxy(24.2587, 0.5894, 0.3304)
contains.

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Color

Yxy(24.2587, 0.5894, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	FF3736
RGB	255, 55, 54
RGB Percent	100%, 22%, 21%
CMY	0.0000, 0.7843, 0.7883
CMYK	0.00, 0.78, 0.79, 0.00
HSL	0°, 100%, 61%
HSV	0°, 79%, 100%
XYZ	43.2751, 24.2587, 5.8885
YIQ	114.6860, 119.5210, 42.0890

Conversions

Conversions Part 2

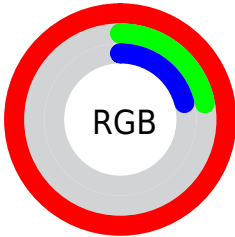
Format	Color
R_YB	255, 55, 54
Decimal	16725814
CIE Lab	56.35, 72.82, 49.10
CIE LCh	56, 87.826, 33.992
Yxy	24.2587, 0.5894, 0.3304
Android (android.graphics.Color)	4294915894 (0xFFFF3736)
YUV	114.6860, -29.9182, 123.0554
Hunter-Lab	49.2531, 70.6417, 27.3888

Details

The Yxy color **24.2587, 0.5894, 0.3304** 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 **78.8754, 0.2284, 0.3275**, and the grayscale version is **17.1071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4130, 0.4905, 0.3458**, and **10.8363, 0.6357, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **22.2557, 0.6220, 0.3303**, and if you desaturate by 10%, it is **27.6224, 0.5450, 0.3304**.

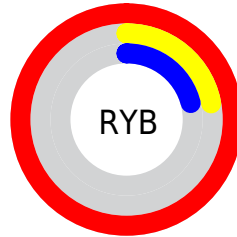
Distribution



Red (100%)

Green (22%)

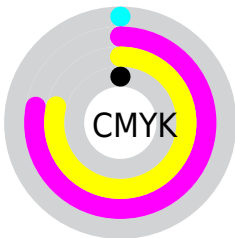
Blue (21%)



Red (100%)

Yellow (22%)

Blue (21%)

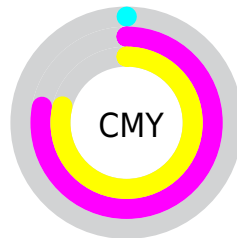


Cyan (0%)

Magenta (78%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (78%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2587, 0.5894, 0.3304 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 24.2587, 0.5894, 0.3304 by changing the saturation by 10% instead.


 24.2587, 0.5894,
0.3304


 24.2587, 0.5894,
0.3304


274.1258, 0.4427,
0.3461

 15.5256, 0.6243,
0.3199


 50.4520, 0.5363,
0.3409


 9.1891, 0.6660,
0.3028


 68.6811, 0.5161,
0.3434


 4.8647, 0.7224,
0.2776

 90.8443, 0.4990,
0.3448

 2.1681, 0.7703,
0.2297

 117.3260, 0.4843,
0.3457

 0.7025, 0.8397,
0.1603

 148.5106, 0.4717,
0.3461

 0.0000, 1.0000,
0.0000

 184.7825, 0.4607,


 0.0000, 0.0000,


0.3463


0.0000


226.5261, 0.4511,
0.3462


 24.2587, 0.5894,
0.3304


 24.2587, 0.5894,
0.3304


 22.2557, 0.6220,
0.3303


 27.6224, 0.5450,
0.3304


 21.3588, 0.6384,
0.3302

 32.5331, 0.4966,
0.3303


 21.2880, 0.6398,
0.3302

 39.1457, 0.4505,
0.3301

 47.5969, 0.4103,
0.3298

 58.0094, 0.3768,
0.3296

 70.4955, 0.3498,
0.3294

 85.1590, 0.3281,
0.3292

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.



24.2587, 0.5078, 0.2542



24.2587, 0.5894, 0.3304



24.2587, 0.5612, 0.4164

Triad

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



24.2587, 0.5894, 0.3304



24.2587, 0.2256, 0.5696



24.2587, 0.1365, 0.1355

Complementary

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



24.2587, 0.5894, 0.3304



78.8754, 0.2284, 0.3275

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.



24.2587, 0.1003, 0.1567



24.2587, 0.5894, 0.3304



24.2587, 0.1354, 0.3831

Square

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



24.2587, 0.5894, 0.3304



24.2587, 0.3452, 0.6072



24.2587, 0.0978, 0.2286



24.2587, 0.2168, 0.1471

Rectangle

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



24.2587, 0.5894, 0.3304



24.2587, 0.5021, 0.4842



24.2587, 0.0978, 0.2286



24.2587, 0.1203, 0.1385

Sweetspot

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



24.2579, 0.5894, 0.3304



63.7787, 0.3630, 0.3295



31.1160, 0.3204, 0.1645



12.7308, 0.3731, 0.3296



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.



24.2579, 0.5894, 0.3304



21.6019, 0.6338, 0.3302



44.7986, 0.4974, 0.4161



18.0018, 0.3294, 0.3292



11.1298, 0.6397, 0.3303



1.0886, 0.6389, 0.3309

Inverse Universe

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



78.8754, 0.2284, 0.3275



78.0430, 0.2247, 0.3273



31.2761, 0.1932, 0.1937



20.4647, 0.2980, 0.3288



40.7213, 0.2242, 0.3272



3.9698, 0.2243, 0.3274

Previews

White Background



This preview shows how the Yxy color 24.2587, 0.5894, 0.3304 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 24.2587, 0.5894, 0.3304 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 24.2587, 0.5894, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 24.2587, 0.5894, 0.3304.



This preview shows how white text looks on a background with the Yxy color 24.2587, 0.5894, 0.3304.

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

24.2587, 0.5894, 0.3304

Protanopia

24.2533, 0.3918, 0.4242

Deuteranopia

24.3865, 0.4555, 0.4483



Tritanopia

24.2682, 0.5884, 0.3298

Trichromacy



Original Color

24.2587, 0.5894, 0.3304

Protanomaly

21.4291, 0.4753, 0.3777

Deuteranomaly

22.1021, 0.5185, 0.3912

Tritanomaly

24.2682, 0.5884, 0.3298

Monochromacy



Original Color

24.2587, 0.5894, 0.3304

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7260, 0.4256, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2587, 0.5894, 0.3304 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, 55, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 54)  
}
```

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, 55, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 54) }
```

Border

The CSS property to change the border of an element to Yxy 24.2587, 0.5894, 0.3304 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, 55, 54) }
```

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

```
.border{ border-color:rgb(255, 55, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 55, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2587, 0.5894, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 54) }
```

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

```
.background{ background-color: rgb(255, 55,  
54) }
```

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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