

Converting Colors

$Yxy(26.2893, 0.5678, 0.3355)$

Have a look what the booklet for
Yxy(26.2893, 0.5678, 0.3355)
contains.

Yxy(26.2649, 0.5679, 0.3353)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.2649, 0.5679, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	FF4840
RGB	255, 72, 64
RGB Percent	100%, 28%, 25%
CMY	0.0000, 0.7176, 0.7488
CMYK	0.00, 0.72, 0.75, 0.00
HSL	2°, 100%, 63%
HSV	2°, 75%, 100%
XYZ	44.4850, 26.2649, 7.5826
YIQ	125.8050, 111.6360, 36.3080

Conversions

Conversions Part 2

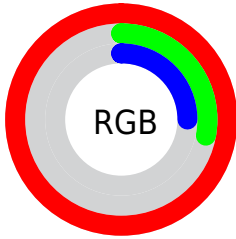
Format	Color
RYB	255, 72, 64
Decimal	16730176
CIELab	58.29, 68.00, 45.80
CIELCh	58, 81.985, 33.960
Yxy	26.2649, 0.5679, 0.3353
Android (android.graphics.Color)	4294920256 (0xFFFF4840)
YUV	125.8050, -30.4699, 113.3040
Hunter-Lab	51.2493, 65.2540, 27.1023

Details

The Yxy color **26.2649, 0.5679, 0.3353** 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 **74.8611, 0.2279, 0.3192**, and the grayscale version is **20.8733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9548, 0.4693, 0.3484**, and **10.9942, 0.6288, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **23.4820, 0.6066, 0.3341**, and if you desaturate by 10%, it is **30.4369, 0.5215, 0.3356**.

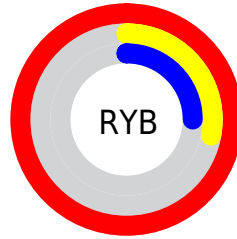
Distribution



Red (100%)

Green (28%)

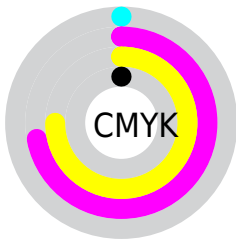
Blue (25%)



Red (100%)

Yellow (28%)

Blue (25%)

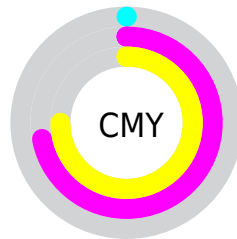


Cyan (0%)

Magenta (72%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2649, 0.5679, 0.3353 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 26.2649, 0.5679, 0.3353 by changing the saturation by 10% instead.


 26.2649, 0.5679,
0.3353


 26.2649, 0.5679,
0.3353


284.0800, 0.4326,
0.3457

 17.0219, 0.6008,
0.3272


 53.7020, 0.5186,
0.3430


 10.2501, 0.6409,
0.3137


 72.6649, 0.4999,
0.3447


 5.5651, 0.6956,
0.2934

 95.6365, 0.4842,
0.3456

 2.5825, 0.7474,
0.2526

 123.0013, 0.4708,
0.3461

 0.9179, 0.8101,
0.1899

 155.1437, 0.4592,
0.3462

 0.0000, 1.0000,
0.0000


 192.4480, 0.4491,


 0.0000, 0.0000,


0.3461


0.0000


235.2987, 0.4403,
0.3460


 26.2649, 0.5679,
0.3353


 26.2649, 0.5679,
0.3353


 23.4820, 0.6066,
0.3341


 30.4369, 0.5215,
0.3356


 21.9070, 0.6312,
0.3322

 36.1441, 0.4745,
0.3352


 21.4908, 0.6381,
0.3316

 43.5172, 0.4317,
0.3343

 52.6722, 0.3950,
0.3332

 63.7147, 0.3648,
0.3319

 76.7421, 0.3404,
0.3307

 91.8451, 0.3208,
0.3295

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.



26.2649, 0.4909, 0.2610



26.2649, 0.5679, 0.3353



26.2649, 0.5470, 0.4181

Triad

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



26.2649, 0.5679, 0.3353



26.2649, 0.2360, 0.5439



26.2649, 0.1475, 0.1472

Complementary

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



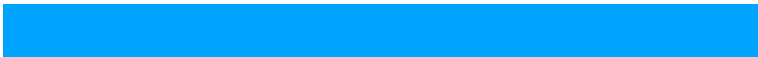
26.2649, 0.5679, 0.3353



74.8611, 0.2279, 0.3192

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.



26.2649, 0.1123, 0.1689



26.2649, 0.5679, 0.3353



26.2649, 0.1491, 0.3799

Square

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



26.2649, 0.5679, 0.3353



26.2649, 0.3497, 0.5846



26.2649, 0.1109, 0.2387



26.2649, 0.2244, 0.1581

Rectangle

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



26.2649, 0.5679, 0.3353



26.2649, 0.4945, 0.4804



26.2649, 0.1109, 0.2387



26.2649, 0.1317, 0.1504

Sweetspot

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



26.2658, 0.5679, 0.3353



67.2627, 0.3573, 0.3315



31.7490, 0.3265, 0.1724



13.6817, 0.3644, 0.3319



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.



26.2658, 0.5679, 0.3353



22.5380, 0.6212, 0.3332



48.8629, 0.4809, 0.4213



18.1083, 0.3294, 0.3300



11.2818, 0.6372, 0.3323



1.1393, 0.6304, 0.3377

Inverse Universe

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



74.8611, 0.2279, 0.3192



73.0044, 0.2226, 0.3171



31.1462, 0.1953, 0.1926



20.3440, 0.2980, 0.3280



37.7565, 0.2211, 0.3159



3.7149, 0.2215, 0.3175

Previews

White Background



This preview shows how the Yxy color 26.2649, 0.5679, 0.3353 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 26.2649, 0.5679, 0.3353 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 26.2649, 0.5679, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 26.2649, 0.5679, 0.3353.



This preview shows how white text looks on a background with the Yxy color 26.2649, 0.5679, 0.3353.

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

26.2649, 0.5679, 0.3353

Protanopia

26.2004, 0.3842, 0.4160

Deuteranopia

26.1370, 0.4469, 0.4377



Tritanopia

26.2609, 0.5579, 0.3275

Trichromacy



Original Color

26.2649, 0.5679, 0.3353

Protanomaly

23.7587, 0.4578, 0.3785

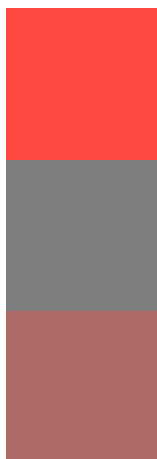
Deuteranomaly

24.4918, 0.4999, 0.3912

Tritanomaly

26.2087, 0.5623, 0.3305

Monochromacy



Original Color

26.2649, 0.5679, 0.3353

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1716, 0.4110, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2649, 0.5679, 0.3353 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, 72, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 64)  
}
```

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, 72, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 64) }
```

Border

The CSS property to change the border of an element to Yxy 26.2649, 0.5679, 0.3353 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, 72, 64) }
```

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

```
.border{ border-color:rgb(255, 72, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 72, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2649, 0.5679, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 64) }
```

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

```
.background{ background-color: rgb(255, 72,  
64) }
```

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