

Converting Colors

$Y_{xy}(30.0903, 0.5176, 0.3294)$

Have a look what the booklet for
Yxy(30.0903, 0.5176, 0.3294)
contains.

Yxy(30.0736, 0.5180, 0.3296)	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(30.0736, 0.5180, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E5E
RGB	255, 94, 94
RGB Percent	100%, 37%, 37%
CMY	0.0000, 0.6313, 0.6313
CMYK	0.00, 0.63, 0.63, 0.00
HSL	360°, 100%, 68%
HSV	360°, 63%, 100%
XYZ	47.2637, 30.0736, 13.9054
YIQ	142.1390, 95.9560, 34.1320

Conversions

Conversions Part 2

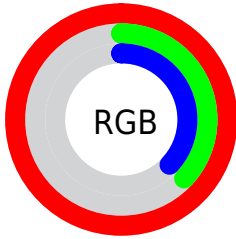
Format	Color
R_{YB}	255, 94, 94
Decimal	16735838
CIE _{Lab}	61.72, 61.14, 33.28
CIE _{LCh}	62, 69.606, 28.561
Yxy	30.0736, 0.5180, 0.3296
Android (android.graphics.Color)	4294925918 (0xFFFF5E5E)
YUV	142.1390, -23.7325, 98.9791
Hunter-Lab	54.8394, 57.8725, 23.3537

Details

The Yxy color **30.0736, 0.5180, 0.3296** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **81.1201, 0.2368, 0.3288**, and the grayscale version is **27.1772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4376, 0.4241, 0.3356**, and **12.3998, 0.5814, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **25.8796, 0.5657, 0.3297**, and if you desaturate by 10%, it is **35.9191, 0.4702, 0.3295**.

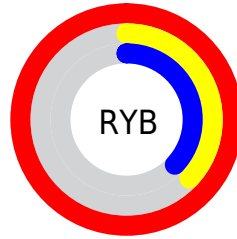
Distribution



Red (100%)

Green (37%)

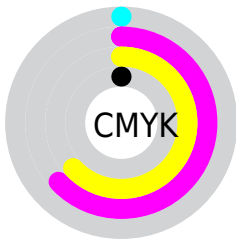
Blue (37%)



Red (100%)

Yellow (37%)

Blue (37%)

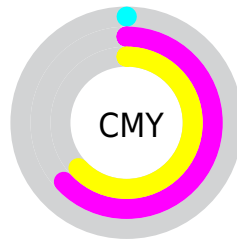


Cyan (0%)

Magenta (63%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0736, 0.5180, 0.3296 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 30.0736, 0.5180, 0.3296 by changing the saturation by 10% instead.


 30.0736, 0.5180,
0.3296


 30.0736, 0.5180,
0.3296

302.2474, 0.4087,
0.3370

 19.8945, 0.5460,
0.3247


 59.7786, 0.4774,
0.3344


 12.3183, 0.5818,
0.3166


 80.0732, 0.4623,
0.3356

 6.9609, 0.6278,
0.3026


 104.5084, 0.4497,
0.3363

 3.4376, 0.6954,
0.2808

 133.4686, 0.4390,
0.3367

 1.3643, 0.7666,
0.2334

167.3382, 0.4298,
0.3370

 0.1902, 0.9123,
0.0877

206.5016, 0.4218,

 0.0000, 1.0000,

0.3371

0.0000

251.3432, 0.4148,
0.3371

■ 0.0000, 0.0000,
0.0000

■ 30.0736, 0.5180,
0.3296

■ 30.0736, 0.5180,
0.3296

■ 25.8796, 0.5657,
0.3297

■ 35.9191, 0.4702,
0.3295

■ 23.1628, 0.6058,
0.3299

■ 43.5579, 0.4270,
0.3293


■ 21.7189, 0.6313,
0.3299

■ 53.1220, 0.3905,
0.3292

■ 21.2600, 0.6401,
0.3300

■ 64.7295, 0.3608,
0.3291

■ 78.4893, 0.3369,
0.3291

 94.5025, 0.3178,
0.3290

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.



30.0736, 0.4399, 0.2627



30.0736, 0.5180, 0.3296



30.0736, 0.5214, 0.4029

Triad

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



30.0736, 0.5180, 0.3296



30.0736, 0.2713, 0.5125



30.0736, 0.1626, 0.1738

Complementary

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



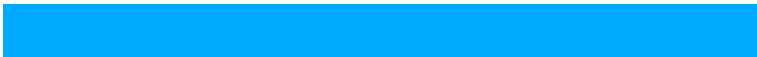
30.0736, 0.5180, 0.3296



81.1201, 0.2368, 0.3288

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.



30.0736, 0.1362, 0.2022



30.0736, 0.5180, 0.3296



30.0736, 0.1876, 0.3969

Square

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



30.0736, 0.5180, 0.3296



30.0736, 0.3715, 0.5349



30.0736, 0.1428, 0.2749



30.0736, 0.2245, 0.1778

Rectangle

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



30.0736, 0.5180, 0.3296



30.0736, 0.4873, 0.4542



30.0736, 0.1428, 0.2749



30.0736, 0.1501, 0.1792

Sweetspot

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



30.0752, 0.5180, 0.3296



70.1509, 0.3502, 0.3291



35.9815, 0.3170, 0.1831



14.2038, 0.3574, 0.3291



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.



30.0752, 0.5180, 0.3296



24.9580, 0.5783, 0.3298



51.5052, 0.4567, 0.4057



17.9871, 0.3295, 0.3291



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300

Inverse Universe

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



30.0752, 0.5180, 0.3296



24.9580, 0.5783, 0.3298



41.1185, 0.2134, 0.2284



17.9871, 0.3295, 0.3291



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 30.0736, 0.5180, 0.3296 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0736, 0.5180, 0.3296 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0736, 0.5180, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 30.0736, 0.5180, 0.3296.



This preview shows how white text looks on a background with the Yxy color 30.0736, 0.5180, 0.3296.

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

30.0736, 0.5180, 0.3296

Protanopia

30.1268, 0.3561, 0.3805

Deuteranopia

30.2619, 0.4157, 0.4085



Tritanopia

29.9896, 0.5126, 0.3242

Trichromacy



Original Color

30.0736, 0.5180, 0.3296

Protanomaly

28.2526, 0.4154, 0.3578

Deuteranomaly

28.9438, 0.4569, 0.3732

Tritanomaly

29.9518, 0.5150, 0.3261

Monochromacy



Original Color

30.0736, 0.5180, 0.3296

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.2152, 0.3838, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0736, 0.5180, 0.3296 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, 94, 94)` looks like.

```
.text, #text, p{  
  color:rgb(255, 94, 94)  
}
```

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, 94, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 94) }
```

Border

The CSS property to change the border of an element to Yxy 30.0736, 0.5180, 0.3296 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, 94, 94) }
```

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

```
.border{ border-color:rgb(255, 94, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0736, 0.5180, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 94) }
```

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

```
.background{ background-color: rgb(255, 94,  
94) }
```

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