

Converting Colors

$Y_{xy}(27.4630, 0.5180, 0.3296)$

Have a look what the booklet for
Yxy(27.4630, 0.5180, 0.3296)
contains.

Yxy(27.4630, 0.5180, 0.3296)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.4630, 0.5180, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	F55A5A
RGB	245, 90, 90
RGB Percent	96%, 35%, 35%
CMY	0.0392, 0.6471, 0.6471
CMYK	0.00, 0.63, 0.63, 0.04
HSL	360°, 89%, 66%
HSV	360°, 63%, 96%
XYZ	43.1609, 27.4630, 12.6983
YIQ	136.3450, 92.3800, 32.8600

Conversions

Conversions Part 2

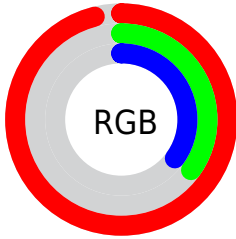
Format	Color
R_{YB}	245, 90, 90
Decimal	16079450
CIE _{Lab}	59.40, 59.31, 32.29
CIE _{LCh}	59, 67.531, 28.561
Yxy	27.4630, 0.5180, 0.3296
Android (android.graphics.Color)	4294269530 (0xFFFF55A5A)
YUV	136.3450, -22.8481, 95.2904
Hunter-Lab	52.4052, 55.3037, 22.3170

Details

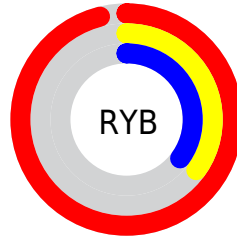
The Yxy color **27.4630, 0.5180, 0.3296** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **74.0786, 0.2368, 0.3288**, and the grayscale version is **24.8181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7112, 0.4319, 0.3356**, and **10.8657, 0.5847, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **23.6398, 0.5656, 0.3297**, and if you desaturate by 10%, it is **32.7882, 0.4703, 0.3295**.

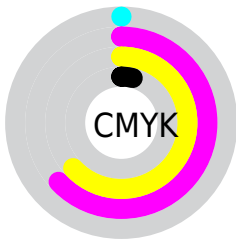
Distribution



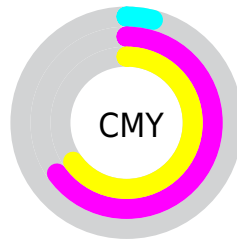
- Red (96%)
- Green (35%)
- Blue (35%)



- Red (96%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (63%)
- Yellow (63%)
- Black (4%)





- Cyan (4%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4630, 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 27.4630, 0.5180, 0.3296 by changing the saturation by 10% instead.


 27.4630, 0.5180,
0.3296


 27.4630, 0.5180,
0.3296


289.8919, 0.4071,
0.3370


 17.9213, 0.5470,
0.3245


 55.6259, 0.4764,
0.3345

 10.8935, 0.5843,
0.3159


 75.0159, 0.4611,
0.3357


 5.9952, 0.6327,
0.3008

 98.4575, 0.4483,
0.3364

 2.8422, 0.7122,
0.2798

 126.3349, 0.4375,
0.3368

 1.0499, 0.7769,
0.2231

 159.0327, 0.4282,
0.3370

 0.0000, 1.0000,
0.0000

196.9352, 0.4202,

 0.0000, 0.0000,

0.3371

0.0000

240.4268, 0.4132,
0.3371

■ 27.4630, 0.5180,
0.3296

■ 27.4630, 0.5180,
0.3296

■ 23.6398, 0.5656,
0.3297

■ 32.7882, 0.4703,
0.3295

■ 21.1602, 0.6057,
0.3299

■ 39.7437, 0.4272,
0.3293


■ 19.8389, 0.6312,
0.3299


■ 48.4494, 0.3908,
0.3292

■ 19.4146, 0.6401,
0.3300

■ 59.0127, 0.3610,
0.3291

■ 71.5323, 0.3371,
0.3291

 86.0999, 0.3181,
0.3290

 98.1546, 0.3066,
0.3290

Harmonies

Analogous

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



27.4630, 0.4399, 0.2627



27.4630, 0.5180, 0.3296



27.4630, 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.



27.4630, 0.5180, 0.3296



27.4630, 0.2713, 0.5125



27.4630, 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.



27.4630, 0.5180, 0.3296



74.0786, 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.



27.4630, 0.1362, 0.2022



27.4630, 0.5180, 0.3296



27.4630, 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.



27.4630, 0.5180, 0.3296



27.4630, 0.3715, 0.5349



27.4630, 0.1428, 0.2749



27.4630, 0.2245, 0.1778

Rectangle

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



27.4630, 0.5180, 0.3296



27.4630, 0.4873, 0.4542



27.4630, 0.1428, 0.2749



27.4630, 0.1501, 0.1792

Sweetspot

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



27.4646, 0.5180, 0.3296



70.1509, 0.3502, 0.3291



32.8582, 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.



27.4646, 0.5180, 0.3296



24.9580, 0.5783, 0.3298



47.0344, 0.4567, 0.4057



16.4825, 0.3294, 0.3291



10.4579, 0.6401, 0.3300



0.9191, 0.6401, 0.3300

Inverse Universe

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



27.4646, 0.5180, 0.3296



24.9580, 0.5783, 0.3298



37.5492, 0.2134, 0.2284



16.4825, 0.3294, 0.3291



10.4579, 0.6401, 0.3300



0.9191, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 27.4630, 0.5180, 0.3296 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 27.4630, 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 × Fail

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

Yxy 27.4630, 0.5180, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 27.4630, 0.5180, 0.3296.



This preview shows how white text looks on a background with the Yxy color 27.4630, 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

27.4630, 0.5180, 0.3296

Protanopia

27.5871, 0.3557, 0.3791

Deuteranopia

27.6145, 0.4164, 0.4085



Tritanopia

27.3835, 0.5123, 0.3240

Trichromacy



Original Color

27.4630, 0.5180, 0.3296

Protanomaly

25.8539, 0.4142, 0.3575

Deuteranomaly

26.3682, 0.4562, 0.3738

Tritanomaly

27.3475, 0.5149, 0.3259

Monochromacy



Original Color

27.4630, 0.5180, 0.3296

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.7557, 0.3857, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4630, 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(245, 90, 90)` looks like.

```
.text, #text, p{  
    color:rgb(245, 90, 90)  
}
```

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(245, 90, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 90, 90) }
```

Border

The CSS property to change the border of an element to Yxy 27.4630, 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(245, 90, 90) }
```

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

```
.border{ border-color:rgb(245, 90, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 90, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 90, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 90, 90);  
box-shadow:4px 4px 4px 4px rgb(245, 90,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4630, 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(245, 90, 90) }
```

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

```
.background{ background-color: rgb(245, 90,  
90) }
```

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