

# Converting Colors

$Y_{xy}(27.2884, 0.5193, 0.3296)$

Have a look what the booklet for  
Yxy(27.2884, 0.5193, 0.3296)  
contains.

<b>Yxy(27.2785, 0.5200, 0.3296)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(27.2785, 0.5200, 0.3296)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F55959
RGB	245, 89, 89
RGB Percent	96%, 35%, 35%
CMY	0.0391, 0.6510, 0.6510
CMYK	0.00, 0.64, 0.64, 0.04
HSL	360°, 89%, 65%
HSV	360°, 64%, 96%
XYZ	43.0365, 27.2785, 12.4475
YIQ	135.6440, 92.9760, 33.0720

# Conversions

## Conversions Part 2

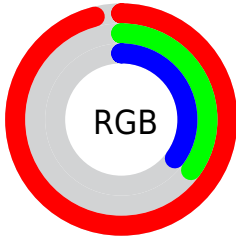
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 89, 89
Decimal	16079193
CIE Lab	59.23, 59.67, 32.64
CIE LCh	59, 68.017, 28.680
Yxy	27.2785, 0.5200, 0.3296
Android (android.graphics.Color)	4294269273 (0xFFFF55959)
YUV	135.6440, -22.9955, 95.9052
Hunter-Lab	52.2288, 55.6833, 22.4298

# Details

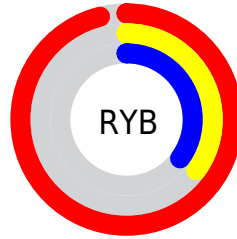
The Yxy color **27.2785, 0.5200, 0.3296** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **74.0323, 0.2365, 0.3288**, and the grayscale version is **24.5411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3749, 0.4335, 0.3356**, and **10.8148, 0.5869, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **23.5137, 0.5674, 0.3297**, and if you desaturate by 10%, it is **32.5395, 0.4721, 0.3295**.

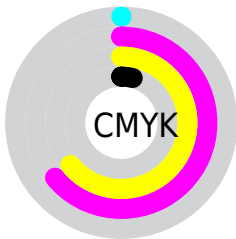
# Distribution



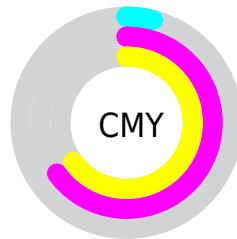
- Red (96%)
- Green (35%)
- Blue (35%)



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



- Cyan (0%)
- Magenta (64%)
- Yellow (64%)
- Black (4%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2785, 0.5200, 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 27.2785, 0.5200, 0.3296 by changing the saturation by 10% instead.




 27.2785, 0.5200,  
0.3296


 27.2785, 0.5200,  
0.3296

289.0030, 0.4080,  
0.3372


 17.7825, 0.5493,  
0.3244


 55.3304, 0.4779,  
0.3347

 10.7939, 0.5868,  
0.3156


 74.6552, 0.4625,  
0.3358

 5.9285, 0.6356,  
0.3002

 98.0249, 0.4496,  
0.3365

 2.8016, 0.7172,  
0.2792

 125.8241, 0.4387,  
0.3370

 1.0291, 0.7793,  
0.2207

 158.4371, 0.4293,  
0.3372

 0.0000, 1.0000,  
0.0000

196.2484, 0.4212,

 0.0000, 0.0000,

0.3373

0.0000

239.6422, 0.4142,  
0.3372

■ 27.2785, 0.5200,  
0.3296

■ 27.2785, 0.5200,  
0.3296

■ 23.5137, 0.5674,  
0.3297

■ 32.5395, 0.4721,  
0.3295

■ 21.0856, 0.6071,  
0.3299

■ 39.4258, 0.4288,  
0.3293


■ 19.8071, 0.6318,  
0.3299


■ 48.0577, 0.3921,  
0.3292

■ 19.4158, 0.6401,  
0.3300

■ 58.5431, 0.3621,  
0.3291

■ 70.9809, 0.3380,  
0.3291

 85.4633, 0.3188,  
0.3290

 98.1557, 0.3066,  
0.3290

# Harmonies

## Analogous

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



27.2785, 0.4415, 0.2624



27.2785, 0.5200, 0.3296



27.2785, 0.5229, 0.4033

# Triad

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



27.2785, 0.5200, 0.3296



27.2785, 0.2703, 0.5142



27.2785, 0.1617, 0.1726

# Complementary

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



27.2785, 0.5200, 0.3296



74.0323, 0.2365, 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.



27.2785, 0.1350, 0.2009



27.2785, 0.5200, 0.3296



27.2785, 0.1862, 0.3970

# Square

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



27.2785, 0.5200, 0.3296



27.2785, 0.3711, 0.5368



27.2785, 0.1414, 0.2739



27.2785, 0.2241, 0.1768



# Rectangle

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



27.2785, 0.5200, 0.3296



27.2785, 0.4882, 0.4550



27.2785, 0.1414, 0.2739



27.2785, 0.1491, 0.1780

# Sweetspot

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



27.2800, 0.5200, 0.3296



70.1510, 0.3502, 0.3291



32.6880, 0.3170, 0.1824



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.



27.2800, 0.5200, 0.3296



24.9581, 0.5783, 0.3298



46.8324, 0.4578, 0.4060



16.4825, 0.3294, 0.3290



10.4579, 0.6401, 0.3300



0.9192, 0.6401, 0.3300



# Inverse Universe

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



27.2800, 0.5200, 0.3296



24.9581, 0.5783, 0.3298



37.3184, 0.2128, 0.2276



16.4825, 0.3294, 0.3290



10.4579, 0.6401, 0.3300



0.9192, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 27.2785, 0.5200, 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 27.2785, 0.5200, 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 27.2785, 0.5200, 0.3296**

## Background



This preview shows how black text looks on a background with the Yxy color 27.2785, 0.5200, 0.3296.



This preview shows how white text looks on a background with the Yxy color 27.2785, 0.5200, 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

27.2785, 0.5200, 0.3296

### Protanopia

27.4680, 0.3556, 0.3810

### Deuteranopia

27.2011, 0.4171, 0.4089



## Tritanopia

27.2001, 0.5143, 0.3241

# Trichromacy



## Original Color

27.2785, 0.5200, 0.3296

## Protanomaly

25.5843, 0.4161, 0.3575

## Deuteranomaly

26.1131, 0.4582, 0.3737

## Tritanomaly

27.1646, 0.5169, 0.3259

# Monochromacy



## Original Color

27.2785, 0.5200, 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 27.2785, 0.5200, 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, 89, 89)` looks like.

```
.text, #text, p{  
  color:rgb(245, 89, 89)  
}
```

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, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 89, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 27.2785, 0.5200, 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, 89, 89) }
```

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

```
.border{ border-color:rgb(245, 89, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 89, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(245, 89,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.2785, 0.5200, 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, 89, 89) }
```

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

```
.background{ background-color: rgb(245, 89,  
89) }
```

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