

# Converting Colors

$Yxy(25.4470, 0.5182, 0.3344)$

Have a look what the booklet for  
Yxy(25.4470, 0.5182, 0.3344)  
contains.

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**Color**

**Yxy(25.4470, 0.5182, 0.3344)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB5954
RGB	235, 89, 84
RGB Percent	92%, 35%, 33%
CMY	0.0784, 0.6510, 0.6707
CMYK	0.00, 0.62, 0.64, 0.08
HSL	2°, 79%, 63%
HSV	2°, 64%, 92%
XYZ	39.4337, 25.4470, 11.2168
YIQ	132.0840, 88.6210, 29.3970

# Conversions

## Conversions Part 2

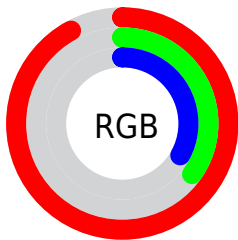
Format	Color
<a href="#">RYB</a>	<a href="#">235, 89, 84</a>
Decimal	<a href="#">15423828</a>
CIELab	<a href="#">57.51, 56.07, 32.98</a>
CIElCh	<a href="#">58, 65.053, 30.465</a>
Yxy	<a href="#">25.4470, 0.5182, 0.3344</a>
Android (android.graphics.Color)	<a href="#">4293613908</a> <a href="#">(0xFFEB5954)</a>
YUV	<a href="#">132.0840, -23.7054, 90.2573</a>
Hunter-Lab	<a href="#">50.4450, 51.2577, 22.1280</a>

# Details

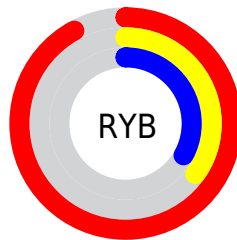
The Yxy color **25.4470, 0.5182, 0.3344** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **64.4624, 0.2347, 0.3224**, and the grayscale version is **23.1701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2320, 0.4388, 0.3408**, and **9.8612, 0.5859, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **21.9243, 0.5649, 0.3342**, and if you desaturate by 10%, it is **30.2622, 0.4714, 0.3340**.

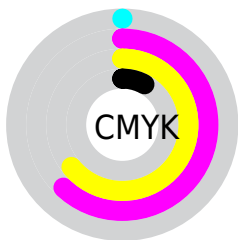
# Distribution



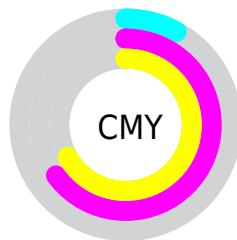
- Red (92%)
- Green (35%)
- Blue (33%)



- Red (92%)
- Yellow (35%)
- Blue (33%)



- Cyan (0%)
- Magenta (62%)
- Yellow (64%)
- Black (8%)



- Cyan (8%)
- Magenta (65%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4470, 0.5182, 0.3344 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 25.4470, 0.5182, 0.3344 by changing the saturation by 10% instead.





 25.4470, 0.5182,  
0.3344


 25.4470, 0.5182,  
0.3344


280.0568, 0.4060,  
0.3395


 16.4104, 0.5479,  
0.3296


 52.3815, 0.4758,  
0.3387

 9.8150, 0.5862,  
0.3211


 71.0481, 0.4603,  
0.3395

 5.2765, 0.6362,  
0.3054

 93.6936, 0.4474,  
0.3399

 2.4104, 0.7177,  
0.2823

 120.7022, 0.4365,  
0.3400

 0.8312, 0.7810,  
0.2190

 152.4585, 0.4272,  
0.3400

 0.0000, 1.0000,  
0.0000


189.3467, 0.4191,


 0.0000, 0.0000,


0.3399


0.0000


231.7514, 0.4121,  
0.3397


 25.4470, 0.5182,  
0.3344


 25.4470, 0.5182,  
0.3344


 21.9243, 0.5649,  
0.3342


 30.2622, 0.4714,  
0.3340


 19.5657, 0.6044,  
0.3333


 36.4739, 0.4289,  
0.3332


 18.2239, 0.6301,  
0.3318

 44.1805, 0.3928,  
0.3323


 17.8324, 0.6383,  
0.3314

 53.4703, 0.3630,  
0.3313

 64.4246, 0.3390,  
0.3303

 77.1193, 0.3197,  
0.3294

 91.6256, 0.3043,  
0.3285

 96.4026, 0.3005,  
0.3290

# Harmonies

## Analogous

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



25.4470, 0.4450, 0.2674



25.4470, 0.5182, 0.3344



25.4470, 0.5173, 0.4075

# Triad

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



25.4470, 0.5182, 0.3344



25.4470, 0.2659, 0.5049



25.4470, 0.1668, 0.1746

# Complementary

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



25.4470, 0.5182, 0.3344



64.4624, 0.2347, 0.3224

# 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.



25.4470, 0.1384, 0.2006



25.4470, 0.5182, 0.3344



25.4470, 0.1849, 0.3877

# Square

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



25.4470, 0.5182, 0.3344



25.4470, 0.3651, 0.5341



25.4470, 0.1429, 0.2696



25.4470, 0.2306, 0.1803



# Rectangle

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



25.4470, 0.5182, 0.3344



25.4470, 0.4816, 0.4583



25.4470, 0.1429, 0.2696



25.4470, 0.1536, 0.1793

# Sweetspot

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



25.4484, 0.5182, 0.3344



70.9341, 0.3499, 0.3308



29.8541, 0.3221, 0.1847



14.3880, 0.3570, 0.3310



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.



25.4484, 0.5182, 0.3344



25.3741, 0.5782, 0.3340



44.1462, 0.4548, 0.4116



15.1343, 0.3292, 0.3298



9.9606, 0.6376, 0.3319



0.8106, 0.6310, 0.3372



# Inverse Universe

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



64.4624, 0.2347, 0.3224



75.5599, 0.2274, 0.3209



31.9876, 0.2105, 0.2193



17.0308, 0.2981, 0.3282



34.0074, 0.2218, 0.3186



2.6974, 0.2223, 0.3201



# Previews

## White Background



This preview shows how the Yxy color 25.4470, 0.5182, 0.3344 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 25.4470, 0.5182, 0.3344 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 25.4470, 0.5182, 0.3344**

## Background



This preview shows how black text looks on a background with the Yxy color 25.4470, 0.5182, 0.3344.



This preview shows how white text looks on a background with the Yxy color 25.4470, 0.5182, 0.3344.

# 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

25.4470, 0.5182, 0.3344

### Protanopia

25.4723, 0.3604, 0.3858

### Deuteranopia

25.4593, 0.4196, 0.4122



## Tritanopia

25.4319, 0.5072, 0.3247

# Trichromacy



## Original Color

25.4470, 0.5182, 0.3344

## Protanomaly

23.9993, 0.4185, 0.3626

## Deuteranomaly

24.3928, 0.4591, 0.3777

## Tritanomaly

25.3798, 0.5112, 0.3276

# Monochromacy



## Original Color

25.4470, 0.5182, 0.3344

## Achromatopsia

23.0740, 0.3127, 0.3290

## Achromatomaly

22.1636, 0.3836, 0.3308

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.4470, 0.5182, 0.3344 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(235, 89, 84)` looks like.

```
.text, #text, p{  
  color:rgb(235, 89, 84)  
}
```

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(235, 89, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 89, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 25.4470, 0.5182, 0.3344 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(235, 89, 84) }
```

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

```
.border{ border-color:rgb(235, 89, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 89, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 89, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 89, 84);  
box-shadow:4px 4px 4px 4px rgb(235, 89,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.4470, 0.5182, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 89, 84) }
```

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

```
.background{ background-color: rgb(235, 89,  
84) }
```

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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