

Converting Colors

$Y_{xy}(25.5106, 0.5439, 0.3159)$

Have a look what the booklet for
Yxy(25.5106, 0.5439, 0.3159)
contains.

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Color

Yxy(25.5016, 0.5432, 0.3156)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | FC4456 |
| RGB | 252, 68, 86 |
| RGB Percent | 99%, 27%, 34% |
| CMY | 0.0117, 0.7333, 0.6628 |
| CMYK | 0.00, 0.73, 0.66, 0.01 |
| HSL | 354°, 97%, 63% |
| HSV | 354°, 73%, 99% |
| XYZ | 43.8925, 25.5016, 11.4095 |
| YIQ | 125.0680, 103.8860, 44.6060 |

Conversions

Conversions Part 2

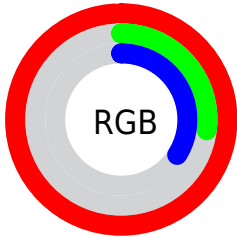
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 252, 68, 86 |
| Decimal | 16532566 |
| CIELab | 57.56, 69.40, 32.54 |
| CIELCh | 58, 76.651, 25.120 |
| Yxy | 25.5016, 0.5432, 0.3156 |
| Android (android.graphics.Color) | 4294722646 (0xFFFC4456) |
| YUV | 125.0680, -19.2605, 111.3194 |
| Hunter-Lab | 50.4991, 66.7740, 21.9538 |

Details

The Yxy color **25.5016, 0.5432, 0.3156** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **76.7948, 0.2379, 0.3510**, and the grayscale version is **20.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7381, 0.4453, 0.3222**, and **10.8515, 0.6028, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **22.7717, 0.5853, 0.3180**, and if you desaturate by 10%, it is **29.6598, 0.4974, 0.3151**.

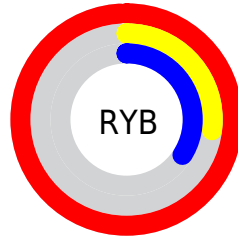
Distribution



Red (99%)

Green (27%)

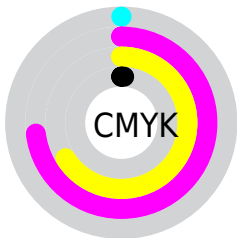
Blue (34%)



Red (99%)

Yellow (27%)

Blue (34%)

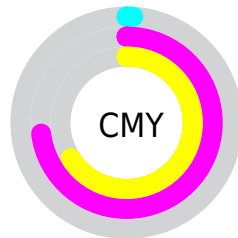


Cyan (0%)

Magenta (73%)

Yellow (66%)

Black (1%)



Cyan (1%)


Magenta (73%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5016, 0.5432, 0.3156 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 25.5016, 0.5432, 0.3156 by changing the saturation by 10% instead.


 25.5016, 0.5432,
0.3156


 25.5016, 0.5432,
0.3156


280.3268, 0.4180,
0.3318


 16.4512, 0.5758,
0.3077


 52.4698, 0.4962,
0.3242


 9.8440, 0.6174,
0.2953


 71.1564, 0.4789,
0.3266


 5.2956, 0.6708,
0.2747

 93.8237, 0.4645,
0.3283

 2.4217, 0.7549,
0.2451

 120.8563, 0.4523,
0.3295

 0.8370, 0.8195,
0.1805

 152.6385, 0.4418,
0.3304

 0.0000, 1.0000,
0.0000


189.5548, 0.4328,


 0.0000, 0.0000,


0.3310


0.0000

231.9894, 0.4249,
0.3315


 25.5016, 0.5432,
0.3156

 25.5016, 0.5432,
0.3156


 22.7717, 0.5853,
0.3180


 29.6598, 0.4974,
0.3151

 21.2729, 0.6171,
0.3222


 35.4009, 0.4536,
0.3161

 20.7648, 0.6313,
0.3251


 42.8644, 0.4149,
0.3181

 52.1734, 0.3823,
0.3206

 63.4395, 0.3558,
0.3232

 76.7656, 0.3343,
0.3258

 92.2473, 0.3172,
0.3283

 99.4362, 0.3109,
0.3290

Harmonies

Analogous

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



25.5016, 0.4449, 0.2450



25.5016, 0.5432, 0.3156



25.5016, 0.5516, 0.3935

Triad

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



25.5016, 0.5432, 0.3156



25.5016, 0.2728, 0.5572



25.5016, 0.1402, 0.1570

Complementary

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



25.5016, 0.5432, 0.3156



76.7948, 0.2379, 0.3510

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.



25.5016, 0.1158, 0.1904



25.5016, 0.5432, 0.3156



25.5016, 0.1773, 0.4264

Square

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



25.5016, 0.5432, 0.3156



25.5016, 0.3842, 0.5593



25.5016, 0.1254, 0.2768



25.5016, 0.2020, 0.1586

Rectangle

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



25.5016, 0.5432, 0.3156



25.5016, 0.5136, 0.4511



25.5016, 0.1254, 0.2768



25.5016, 0.1283, 0.1636

Sweetspot

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



25.5031, 0.5432, 0.3156



66.4388, 0.3534, 0.3235



28.5894, 0.3022, 0.1617



13.4924, 0.3599, 0.3228



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.



25.5031, 0.5432, 0.3156



22.4719, 0.6030, 0.3199



40.3428, 0.4994, 0.3966



17.2528, 0.3279, 0.3267



10.8256, 0.6291, 0.3239



1.0116, 0.6071, 0.3118

Inverse Universe

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



25.5031, 0.5432, 0.3156



22.4719, 0.6030, 0.3199



40.2603, 0.2064, 0.2311



17.2528, 0.3279, 0.3267



10.8256, 0.6291, 0.3239



1.0116, 0.6071, 0.3118

Previews

White Background



This preview shows how the Yxy color 25.5016, 0.5432, 0.3156 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 25.5016, 0.5432, 0.3156 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 25.5016, 0.5432, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 25.5016, 0.5432, 0.3156.



This preview shows how white text looks on a background with the Yxy color 25.5016, 0.5432, 0.3156.

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

25.5016, 0.5432, 0.3156

Protanopia

25.5949, 0.3484, 0.3691

Deuteranopia

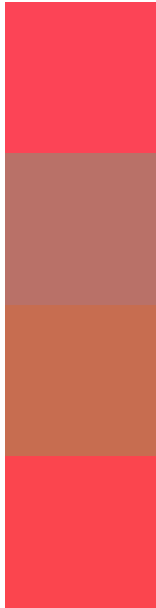
25.4593, 0.4196, 0.4122



Tritanopia

25.3706, 0.5573, 0.3275

Trichromacy



Original Color

25.5016, 0.5432, 0.3156

Protanomaly

23.1240, 0.4203, 0.3421

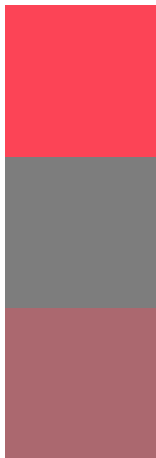
Deuteranomaly

23.6586, 0.4711, 0.3658

Tritanomaly

25.3155, 0.5520, 0.3228

Monochromacy



Original Color

25.5016, 0.5432, 0.3156

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.7063, 0.3979, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5016, 0.5432, 0.3156 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(252, 68, 86)` looks like.

```
.text, #text, p{  
  color:rgb(252, 68, 86)  
}
```

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(252, 68, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 68, 86) }
```

Border

The CSS property to change the border of an element to Yxy 25.5016, 0.5432, 0.3156 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(252, 68, 86) }
```

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

```
.border{ border-color:rgb(252, 68, 86) }
```

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

Here you see how a box with a 4 pixel rgb(252, 68, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 68, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 68, 86);  
box-shadow:4px 4px 4px 4px rgb(252, 68,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5016, 0.5432, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 68, 86) }
```

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

```
.background{ background-color: rgb(252, 68,  
86) }
```

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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