

# Converting Colors

$Y_{xy}(28.2790, 0.5204, 0.3252)$

Have a look what the booklet for  
Yxy(28.2790, 0.5204, 0.3252)  
contains.

<b>Yxy(28.2790, 0.5204, 0.3252)</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(28.2790, 0.5204, 0.3252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB585D
RGB	251, 88, 93
RGB Percent	98%, 35%, 36%
CMY	0.0156, 0.6549, 0.6353
CMYK	0.00, 0.65, 0.63, 0.02
HSL	358°, 95%, 66%
HSV	358°, 65%, 98%
XYZ	45.2534, 28.2790, 13.4264
YIQ	137.3070, 95.5430, 36.1110

# Conversions

## Conversions Part 2

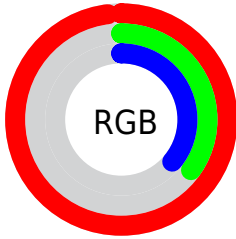
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 88, 93
Decimal	16472157
CIE <sub>Lab</sub>	60.14, 62.24, 31.73
CIE <sub>LCh</sub>	60, 69.859, 27.012
Yxy	28.2790, 0.5204, 0.3252
Android (android.graphics.Color)	4294662237 (0xFFFB585D)
YUV	137.3070, -21.8434, 99.7088
Hunter-Lab	53.1780, 58.8382, 22.2550

# Details

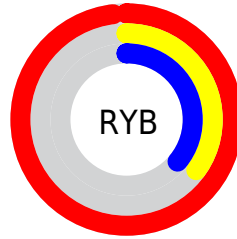
The Yxy color **28.2790, 0.5204, 0.3252** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **77.7341, 0.2376, 0.3348**, and the grayscale version is **25.1948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4940, 0.4292, 0.3314**, and **11.3969, 0.5866, 0.3109** is the 20% darker color. If you saturate the color by 10%, you get **24.4806, 0.5671, 0.3257**, and if you desaturate by 10%, it is **33.6355, 0.4732, 0.3253**.

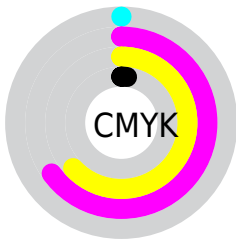
# Distribution



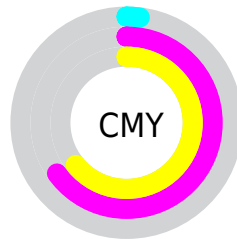
- Red (98%)
- Green (35%)
- Blue (36%)



- Red (98%)
- Yellow (35%)
- Blue (36%)



- Cyan (0%)
- Magenta (65%)
- Yellow (63%)
- Black (2%)




- Cyan (2%)
- Magenta (65%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2790, 0.5204, 0.3252 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 28.2790, 0.5204, 0.3252 by changing the saturation by 10% instead.





 28.2790, 0.5204,  
0.3252


 28.2790, 0.5204,  
0.3252


293.7977, 0.4087,  
0.3349

 18.5361, 0.5494,  
0.3197


 56.9296, 0.4786,  
0.3309

 11.3355, 0.5867,  
0.3106


 76.6060, 0.4632,  
0.3324

 6.2930, 0.6350,  
0.2952


 100.3624, 0.4503,  
0.3334

 3.0241, 0.7090,  
0.2721

 128.5832, 0.4394,  
0.3340

 1.1443, 0.7805,  
0.2195

161.6527, 0.4301,  
0.3344

 0.0155, 0.9912,  
0.0088

199.9553, 0.4220,


 0.0000, 1.0000,


0.3347


0.0000


243.8756, 0.4149,  
0.3348


 0.0000, 0.0000,  
0.0000

 28.2790, 0.5204,  
0.3252


 28.2790, 0.5204,  
0.3252


 24.4806, 0.5671,  
0.3257


 33.6355, 0.4732,  
0.3253


 22.0694, 0.6063,  
0.3268

 40.6881, 0.4304,  
0.3257


 20.8427, 0.6311,  
0.3284


 49.5650, 0.3939,  
0.3264

 20.5292, 0.6379,  
0.3288

 60.3811, 0.3640,  
0.3271

 73.2414, 0.3399,  
0.3279

 88.2437, 0.3207,  
0.3287

 99.2523, 0.3103,  
0.3290

# Harmonies

## Analogous

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



28.2790, 0.4371, 0.2580



28.2790, 0.5204, 0.3252



28.2790, 0.5271, 0.3991

# Triad

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



28.2790, 0.5204, 0.3252



28.2790, 0.2748, 0.5217



28.2790, 0.1577, 0.1715

# Complementary

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



28.2790, 0.5204, 0.3252



77.7341, 0.2376, 0.3348

# 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.



28.2790, 0.1327, 0.2020



28.2790, 0.5204, 0.3252



28.2790, 0.1883, 0.4057

# Square

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



28.2790, 0.5204, 0.3252



28.2790, 0.3769, 0.5379



28.2790, 0.1409, 0.2785



28.2790, 0.2184, 0.1742



# Rectangle

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



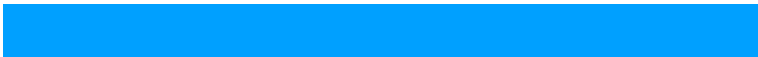
28.2790, 0.5204, 0.3252



28.2790, 0.4937, 0.4515



28.2790, 0.1409, 0.2785



28.2790, 0.1456, 0.1775

# Sweetspot

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



28.2806, 0.5204, 0.3252



70.2237, 0.3491, 0.3276



33.4617, 0.3145, 0.1791



14.2209, 0.3560, 0.3274



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.



28.2806, 0.5204, 0.3252



24.4480, 0.5805, 0.3260



47.7929, 0.4640, 0.4043



17.2338, 0.3289, 0.3283



10.7932, 0.6369, 0.3282



1.0026, 0.6292, 0.3240



# Inverse Universe

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



28.2806, 0.5204, 0.3252



24.4480, 0.5805, 0.3260



39.6765, 0.2119, 0.2288



17.2338, 0.3289, 0.3283



10.7932, 0.6369, 0.3282



1.0026, 0.6292, 0.3240



# Previews

## White Background



This preview shows how the Yxy color 28.2790, 0.5204, 0.3252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

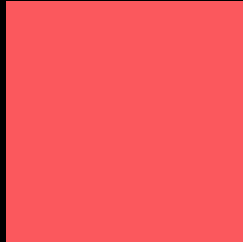
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.2790, 0.5204, 0.3252 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 28.2790, 0.5204, 0.3252**

## Background



This preview shows how black text looks on a background with the Yxy color 28.2790, 0.5204, 0.3252.



This preview shows how white text looks on a background with the Yxy color 28.2790, 0.5204, 0.3252.

# 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

28.2790, 0.5204, 0.3252

### Protanopia

28.4052, 0.3509, 0.3739

### Deuteranopia

28.4682, 0.4141, 0.4065



## Tritanopia

28.2790, 0.5204, 0.3252

# Trichromacy



## Original Color

28.2790, 0.5204, 0.3252

## Protanomaly

26.3168, 0.4128, 0.3516

## Deuteranomaly

26.9749, 0.4570, 0.3693

## Tritanomaly

28.2790, 0.5204, 0.3252

# Monochromacy



## Original Color

28.2790, 0.5204, 0.3252

## Achromatopsia

25.0158, 0.3127, 0.3290

## Achromatomaly

24.0391, 0.3856, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.2790, 0.5204, 0.3252 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(251, 88, 93)` looks like.

```
.text, #text, p{  
    color:rgb(251, 88, 93)  
}
```

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(251, 88, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 88, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 28.2790, 0.5204, 0.3252 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(251, 88, 93) }
```

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

```
.border{ border-color:rgb(251, 88, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 88, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 88, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 88, 93);  
box-shadow:4px 4px 4px 4px rgb(251, 88,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.2790, 0.5204, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 88, 93) }
```

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

```
.background{ background-color: rgb(251, 88,  
93) }
```

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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