

# Converting Colors

$Y_{xy}(25.0261, 0.5552, 0.3201)$

Have a look what the booklet for  
Yxy(25.0261, 0.5552, 0.3201)  
contains.

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**Color**

**Yxy(25.0261, 0.5552, 0.3201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC414E
RGB	252, 65, 78
RGB Percent	99%, 25%, 31%
CMY	0.0118, 0.7450, 0.6941
CMYK	0.00, 0.74, 0.69, 0.01
HSL	356°, 97%, 62%
HSV	356°, 74%, 99%
XYZ	43.4067, 25.0261, 9.7493
YIQ	122.3950, 107.2790, 43.6870

# Conversions

## Conversions Part 2

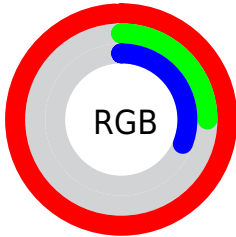
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 65, 78
Decimal	16531790
CIE Lab	57.10, 69.95, 36.56
CIE LCh	57, 78.932, 27.594
Yxy	25.0261, 0.5552, 0.3201
Android (android.graphics.Color)	4294721870 (0xFFFC414E)
YUV	122.3950, -21.8867, 113.6636
Hunter-Lab	50.0261, 67.3355, 23.4636

# Details

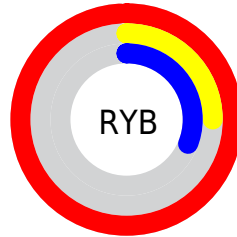
The Yxy color **25.0261, 0.5552, 0.3201** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **76.9710, 0.2354, 0.3447**, and the grayscale version is **19.6499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7140, 0.4575, 0.3284**, and **10.6803, 0.6123, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **22.4710, 0.5960, 0.3222**, and if you desaturate by 10%, it is **28.9932, 0.5088, 0.3194**.

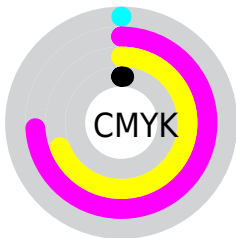
# Distribution



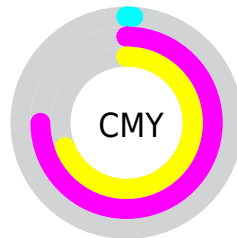
- Red (99%)
- Green (25%)
- Blue (31%)



- Red (99%)
- Yellow (25%)
- Blue (31%)



- Cyan (0%)
- Magenta (74%)
- Yellow (69%)
- Black (1%)




- Cyan (1%)
- Magenta (75%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0261, 0.5552, 0.3201 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 25.0261, 0.5552, 0.3201 by changing the saturation by 10% instead.





 25.0261, 0.5552,  
0.3201


 25.0261, 0.5552,  
0.3201


277.9679, 0.4239,  
0.3355


 16.0965, 0.5889,  
0.3118


 51.6996, 0.5062,  
0.3289


 9.5925, 0.6312,  
0.2984


 70.2122, 0.4881,  
0.3312


 5.1296, 0.6853,  
0.2764

 92.6880, 0.4729,  
0.3328

 2.3235, 0.7588,  
0.2412

 119.5113, 0.4600,  
0.3338

 0.7861, 0.8249,  
0.1751

 151.0666, 0.4490,  
0.3345

 0.0000, 1.0000,  
0.0000


187.7382, 0.4395,


 0.0000, 0.0000,


0.3350

0.0000

229.9105, 0.4312,  
0.3353


 25.0261, 0.5552,  
0.3201


 25.0261, 0.5552,  
0.3201

 22.4710, 0.5960,  
0.3222


 28.9932, 0.5088,  
0.3194


 21.1239, 0.6247,  
0.3254


 34.5314, 0.4633,  
0.3199

 20.7349, 0.6347,  
0.3270


 41.7834, 0.4226,  
0.3212

 50.8746, 0.3882,  
0.3229

 61.9188, 0.3600,  
0.3247

 75.0203, 0.3374,  
0.3266

 90.2764, 0.3192,  
0.3283

 99.4329, 0.3109,  
0.3290

# Harmonies

## Analogous

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



25.0261, 0.4604, 0.2479



25.0261, 0.5552, 0.3201



25.0261, 0.5546, 0.3999

# Triad

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



25.0261, 0.5552, 0.3201



25.0261, 0.2610, 0.5601



25.0261, 0.1395, 0.1515

# Complementary

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



25.0261, 0.5552, 0.3201



76.9710, 0.2354, 0.3447

# 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.



25.0261, 0.1120, 0.1816



25.0261, 0.5552, 0.3201



25.0261, 0.1665, 0.4157

# Square

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



25.0261, 0.5552, 0.3201



25.0261, 0.3746, 0.5706



25.0261, 0.1182, 0.2642



25.0261, 0.2059, 0.1559



# Rectangle

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



25.0261, 0.5552, 0.3201



25.0261, 0.5112, 0.4595



25.0261, 0.1182, 0.2642



25.0261, 0.1265, 0.1572

# Sweetspot

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



25.0276, 0.5552, 0.3201



66.3626, 0.3547, 0.3251



28.7148, 0.3050, 0.1616



13.4748, 0.3614, 0.3246



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.



25.0276, 0.5552, 0.3201



22.2731, 0.6118, 0.3236



40.6995, 0.5001, 0.3999



17.2447, 0.3283, 0.3274



10.8098, 0.6329, 0.3260



1.0078, 0.6162, 0.3168



# Inverse Universe

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



25.0276, 0.5552, 0.3201



22.2731, 0.6118, 0.3236



38.4595, 0.2041, 0.2249



17.2447, 0.3283, 0.3274



10.8098, 0.6329, 0.3260



1.0078, 0.6162, 0.3168



# Previews

## White Background



This preview shows how the Yxy color 25.0261, 0.5552, 0.3201 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 25.0261, 0.5552, 0.3201 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 25.0261, 0.5552, 0.3201**

## Background



This preview shows how black text looks on a background with the Yxy color 25.0261, 0.5552, 0.3201.



This preview shows how white text looks on a background with the Yxy color 25.0261, 0.5552, 0.3201.

# 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

25.0261, 0.5552, 0.3201

### Protanopia

25.1143, 0.3586, 0.3828

### Deuteranopia

25.0729, 0.4294, 0.4223



## Tritanopia

25.1394, 0.5645, 0.3283

# Trichromacy



## Original Color

25.0261, 0.5552, 0.3201

## Protanomaly

22.5094, 0.4339, 0.3518

## Deuteranomaly

23.1124, 0.4838, 0.3734

## Tritanomaly

25.0598, 0.5618, 0.3254

# Monochromacy



## Original Color

25.0261, 0.5552, 0.3201

## Achromatopsia

19.4618, 0.3127, 0.3290

## Achromatomaly

18.7830, 0.4043, 0.3215

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.0261, 0.5552, 0.3201 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, 65, 78)` looks like.

```
.text, #text, p{  
    color:rgb(252, 65, 78)  
}
```

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, 65, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 65, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0261, 0.5552, 0.3201 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, 65, 78) }
```

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

```
.border{ border-color:rgb(252, 65, 78) }
```

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

Here you see how a box with a 4 pixel rgb(252, 65, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 65, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 65, 78);  
box-shadow:4px 4px 4px 4px rgb(252, 65,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.0261, 0.5552, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 65, 78) }
```

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

```
.background{ background-color: rgb(252, 65,  
78) }
```

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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