

Converting Colors

$Y_{xy}(20.5551, 0.5588, 0.2852)$

Have a look what the booklet for
Yxy(20.5551, 0.5588, 0.2852)
contains.

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Color

Yxy(20.4954, 0.5582, 0.2849)

Conversions

Conversions Part 1

Format	Color
Hex	F70059
RGB	247, 0, 89
RGB Percent	97%, 0%, 35%
CMY	0.0314, 0.9992, 0.6510
CMYK	0.00, 1.00, 0.64, 0.03
HSL	338°, 100%, 48%
HSV	338°, 100%, 97%
XYZ	40.1563, 20.4954, 11.2872
YIQ	83.9990, 118.6430, 80.0430

Conversions

Conversions Part 2

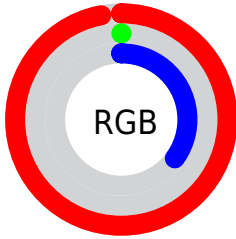
Format	Color
R_{YB}	247, 0, 89
Decimal	16187481
CIE _{Lab}	52.39, 80.39, 23.97
CIE _{LCh}	52, 83.882, 16.602
Yxy	20.4954, 0.5582, 0.2849
Android (android.graphics.Color)	4294377561 (0xFFFF70059)
YUV	83.9990, 2.4655, 142.9519
Hunter-Lab	45.2718, 79.1045, 16.9081

Details

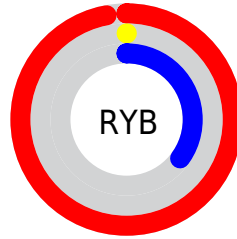
The Yxy color **20.4954, 0.5582, 0.2849** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **68.9886, 0.2593, 0.4535**, and the grayscale version is **8.8666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6735, 0.4572, 0.2886**, and **10.1269, 0.5953, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **20.4900, 0.5584, 0.2850**, and if you desaturate by 10%, it is **21.4781, 0.5287, 0.2754**.

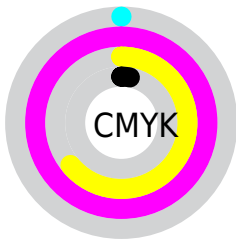
Distribution



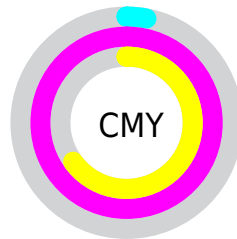
- Red (97%)
- Green (0%)
- Blue (35%)



- Red (97%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4954, 0.5582, 0.2849 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 20.4954, 0.5582, 0.2849 by changing the saturation by 10% instead.


 20.4954, 0.5582,
0.2849


 20.4954, 0.5582,
0.2849


254.5845, 0.4208,
0.3171


 12.7557, 0.5957,
0.2729


 44.2462, 0.5054,
0.2994


 7.2605, 0.6445,
0.2550


 61.0261, 0.4864,
0.3040


 3.6256, 0.7085,
0.2273


 81.5881, 0.4706,
0.3075


 1.4664, 0.8121,
0.1879

 106.3167, 0.4574,
0.3103

 0.2649, 0.9212,
0.0788

 135.5962, 0.4462,
0.3125

 0.0000, 1.0000,
0.0000

 169.8111, 0.4365,

 0.0000, 0.0000,

0.3143

0.0000

209.3458, 0.4282,
0.3158

■ 20.4954, 0.5582,
0.2849

■ 20.4954, 0.5582,
0.2849

■ 20.4900, 0.5584,
0.2850

■ 21.4781, 0.5287,
0.2754

■ 23.3895, 0.4959,
0.2704

■ 26.4987, 0.4623,
0.2705

■ 30.9695, 0.4304,
0.2748

■ 36.9398, 0.4016,
0.2821

■ 44.5304, 0.3767,
0.2910

■ 53.8495, 0.3558,
0.3008

■ 64.9962, 0.3385,
0.3106

■ 78.0616, 0.3242,
0.3201

Harmonies

Analogous

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



20.4954, 0.4210, 0.2128



20.4954, 0.5582, 0.2849



20.4954, 0.5912, 0.3641

Triad

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



20.4954, 0.5582, 0.2849



20.4954, 0.2929, 0.6173



20.4954, 0.1099, 0.1419

Complementary

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



20.4954, 0.5582, 0.2849



68.9886, 0.2593, 0.4535

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.



20.4954, 0.0935, 0.1889



20.4954, 0.5582, 0.2849



20.4954, 0.1803, 0.5016

Square

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



20.4954, 0.5582, 0.2849



20.4954, 0.4162, 0.5647



20.4954, 0.1121, 0.3065



20.4954, 0.1628, 0.1355

Rectangle

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



20.4954, 0.5582, 0.2849



20.4954, 0.5562, 0.4245



20.4954, 0.1121, 0.3065



20.4954, 0.1008, 0.1520

Sweetspot

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



20.4967, 0.5582, 0.2849



57.7574, 0.3561, 0.3006



13.8366, 0.2292, 0.1037



11.4089, 0.3645, 0.2965



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.



20.4967, 0.5582, 0.2849



22.0281, 0.5589, 0.2852



20.8655, 0.6300, 0.3379



16.5810, 0.3237, 0.3205



10.8628, 0.5541, 0.2826



0.9737, 0.5196, 0.2636

Inverse Universe

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



20.4967, 0.5582, 0.2849



22.0281, 0.5589, 0.2852



54.8494, 0.2127, 0.2855



16.5810, 0.3237, 0.3205



10.8628, 0.5541, 0.2826



0.9737, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 20.4954, 0.5582, 0.2849 looks on a white background.

Color Contrast Check

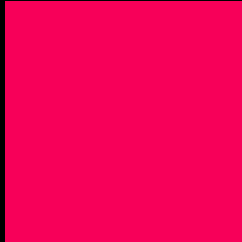
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4954, 0.5582, 0.2849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

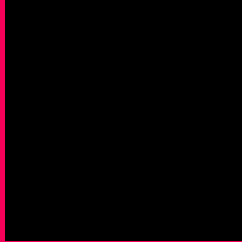
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.4954, 0.5582, 0.2849

Background



This preview shows how black text looks on a background with the Yxy color 20.4954, 0.5582, 0.2849.



This preview shows how white text looks on a background with the Yxy color 20.4954, 0.5582, 0.2849.

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

20.4954, 0.5582, 0.2849

Protanopia

21.1496, 0.3096, 0.3200

Deuteranopia

20.9971, 0.4068, 0.4001



Tritanopia

20.7785, 0.6151, 0.3315

Trichromacy



Original Color

20.4954, 0.5582, 0.2849



Protanomaly

15.6562, 0.4016, 0.2756



Deuteranomaly

16.4817, 0.4836, 0.3231



Tritanomaly

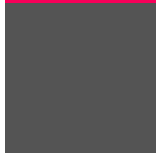
20.4627, 0.6023, 0.3164

Monochromacy



Original Color

20.4954, 0.5582, 0.2849



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

9.1499, 0.4303, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4954, 0.5582, 0.2849 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(247, 0, 89)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 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(247, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.4954, 0.5582, 0.2849 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(247, 0, 89) }
```

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

```
.border{ border-color:rgb(247, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.4954, 0.5582, 0.2849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 89) }
```

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

```
.background{ background-color: rgb(247, 0,  
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](#).

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