

Converting Colors

$Y_{xy}(20.5780, 0.5566, 0.2840)$

Have a look what the booklet for
Yxy(20.5780, 0.5566, 0.2840)
contains.

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Color

Yxy(20.5123, 0.5566, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	F7005A
RGB	247, 0, 90
RGB Percent	97%, 0%, 35%
CMY	0.0314, 0.9995, 0.6471
CMYK	0.00, 1.00, 0.64, 0.03
HSL	338°, 100%, 48%
HSV	338°, 100%, 97%
XYZ	40.2012, 20.5123, 11.5129
YIQ	84.1130, 118.3220, 80.3540

Conversions

Conversions Part 2

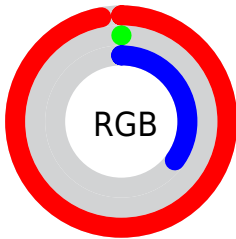
Format	Color
R_{YB}	247, 0, 90
Decimal	16187482
CIE _{Lab}	52.41, 80.44, 23.38
CIE _{LCh}	52, 83.772, 16.204
Yxy	20.5123, 0.5566, 0.2840
Android (android.graphics.Color)	4294377562 (0xFFFF7005A)
YUV	84.1130, 2.9023, 142.8519
Hunter-Lab	45.2905, 79.1836, 16.6318

Details

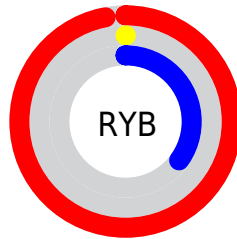
The Yxy color **20.5123, 0.5566, 0.2840** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **68.9558, 0.2598, 0.4552**, and the grayscale version is **8.8810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7028, 0.4558, 0.2876**, and **10.1345, 0.5936, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **20.5095, 0.5567, 0.2841**, and if you desaturate by 10%, it is **21.4950, 0.5272, 0.2745**.

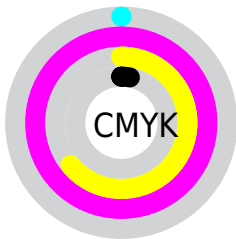
Distribution



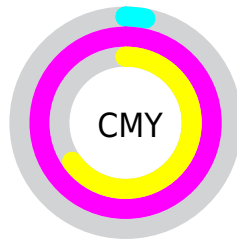
- Red (97%)
- Green (0%)
- Blue (35%)



- 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 20.5123, 0.5566, 0.2840 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 20.5123, 0.5566, 0.2840 by changing the saturation by 10% instead.


 20.5123, 0.5566,
0.2840


 20.5123, 0.5566,
0.2840


254.6752, 0.4201,
0.3165


 12.7680, 0.5939,
0.2720


 44.2744, 0.5041,
0.2986

 7.2690, 0.6426,
0.2542


 61.0611, 0.4852,
0.3032


 3.6309, 0.7066,
0.2266

 81.6305, 0.4695,
0.3068

 1.4693, 0.8121,
0.1879

 106.3673, 0.4564,
0.3096

 0.2670, 0.9208,
0.0792

 135.6558, 0.4453,
0.3118

 0.0000, 1.0000,
0.0000

 169.8803, 0.4357,

 0.0000, 0.0000,

0.3136

0.0000

209.4253, 0.4274,
0.3152

■ 20.5123, 0.5566,
0.2840

■ 20.5123, 0.5566,
0.2840

■ 20.5095, 0.5567,
0.2841

■ 21.4950, 0.5272,
0.2745

■ 23.4040, 0.4947,
0.2695

■ 26.5096, 0.4613,
0.2697

■ 30.9758, 0.4296,
0.2741

■ 36.9403, 0.4011,
0.2815

■ 44.5240, 0.3764,
0.2906

■ 53.8351, 0.3556,
0.3004

■ 64.9725, 0.3384,
0.3104

■ 78.0276, 0.3242,
0.3200

Harmonies

Analogous

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



20.5123, 0.4187, 0.2121



20.5123, 0.5566, 0.2840



20.5123, 0.5912, 0.3630

Triad

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



20.5123, 0.5566, 0.2840



20.5123, 0.2946, 0.6171



20.5123, 0.1096, 0.1424

Complementary

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



20.5123, 0.5566, 0.2840



68.9558, 0.2598, 0.4552

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.



20.5123, 0.0937, 0.1901



20.5123, 0.5566, 0.2840



20.5123, 0.1818, 0.5038

Square

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



20.5123, 0.5566, 0.2840



20.5123, 0.4178, 0.5632



20.5123, 0.1129, 0.3088



20.5123, 0.1620, 0.1356

Rectangle

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



20.5123, 0.5566, 0.2840



20.5123, 0.5570, 0.4232



20.5123, 0.1129, 0.3088



20.5123, 0.1007, 0.1527

Sweetspot

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



20.5136, 0.5566, 0.2840



57.7734, 0.3558, 0.3003



13.8329, 0.2292, 0.1036



11.4127, 0.3641, 0.2961



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.



20.5136, 0.5566, 0.2840



22.0474, 0.5572, 0.2843



20.8629, 0.6300, 0.3379



16.5822, 0.3236, 0.3204



10.8724, 0.5524, 0.2817



0.9746, 0.5180, 0.2627

Inverse Universe

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



20.5136, 0.5566, 0.2840



22.0474, 0.5572, 0.2843



54.8475, 0.2126, 0.2855



16.5822, 0.3236, 0.3204



10.8724, 0.5524, 0.2817



0.9746, 0.5180, 0.2627

Previews

White Background



This preview shows how the Yxy color 20.5123, 0.5566, 0.2840 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 20.5123, 0.5566, 0.2840 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 20.5123, 0.5566, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 20.5123, 0.5566, 0.2840.

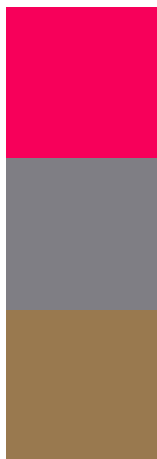


This preview shows how white text looks on a background with the Yxy color 20.5123, 0.5566, 0.2840.

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

20.5123, 0.5566, 0.2840

Protanopia

21.0997, 0.3073, 0.3182

Deuteranopia

21.0116, 0.4056, 0.3985



Tritanopia

20.7840, 0.6144, 0.3311

Trichromacy



Original Color

20.5123, 0.5566, 0.2840



Protanomaly

15.6796, 0.3999, 0.2741



Deuteranomaly

16.4971, 0.4819, 0.3218



Tritanomaly

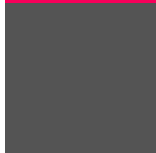
20.4720, 0.6012, 0.3157

Monochromacy



Original Color

20.5123, 0.5566, 0.2840



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 20.5123, 0.5566, 0.2840 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, 90)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 20.5123, 0.5566, 0.2840 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, 90) }
```

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

```
.border{ border-color:rgb(247, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.5123, 0.5566, 0.2840 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, 90) }
```

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

```
.background{ background-color: rgb(247, 0,  
90) }
```

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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