

Converting Colors

$Y_{xy}(20.4170, 0.5284, 0.2684)$

Have a look what the booklet for
Yxy(20.4170, 0.5284, 0.2684)
contains.

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Color

Yxy(20.4531, 0.5285, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	F5006A
RGB	245, 0, 106
RGB Percent	96%, 0%, 42%
CMY	0.0392, 0.9999, 0.5843
CMYK	0.00, 1.00, 0.57, 0.04
HSL	334°, 100%, 48%
HSV	334°, 100%, 96%
XYZ	40.2587, 20.4531, 15.4636
YIQ	85.3390, 111.9940, 84.9060

Conversions

Conversions Part 2

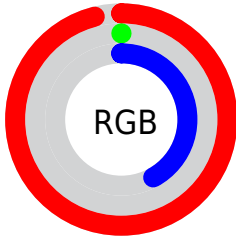
Format	Color
R_{YB}	245, 0, 106
Decimal	16056426
CIE _{Lab}	52.35, 80.91, 13.49
CIE _{LCh}	52, 82.024, 9.466
Yxy	20.4531, 0.5285, 0.2685
Android (android.graphics.Color)	4294246506 (0xFFFF5006A)
YUV	85.3390, 10.1859, 140.0227
Hunter-Lab	45.2251, 79.7541, 11.3848

Details

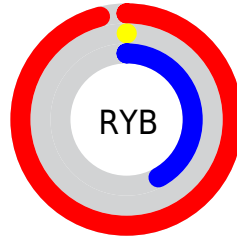
The Yxy color **20.4531, 0.5285, 0.2685** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **67.1712, 0.2667, 0.4801**, and the grayscale version is **9.1241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2437, 0.4327, 0.2704**, and **10.1500, 0.5644, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **20.4532, 0.5285, 0.2685**, and if you desaturate by 10%, it is **21.4422, 0.5014, 0.2598**.

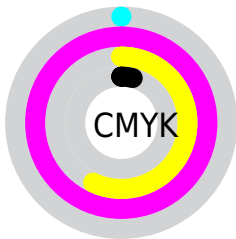
Distribution



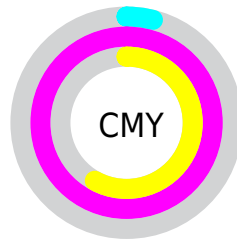
- Red (96%)
- Green (0%)
- Blue (42%)



- Red (96%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4531, 0.5285, 0.2685 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 20.4531, 0.5285, 0.2685 by changing the saturation by 10% instead.


 20.4531, 0.5285,
0.2685

 20.4531, 0.5285,
0.2685


254.3576, 0.4073,
0.3062

 12.7248, 0.5625,
0.2563


 44.1755, 0.4815,
0.2842


 7.2393, 0.6078,
0.2390


 60.9385, 0.4647,
0.2895

 3.6122, 0.6697,
0.2132


 81.4818, 0.4509,
0.2937

 1.4591, 0.7607,
0.1743

 106.1899, 0.4393,
0.2972

 0.2597, 0.9230,
0.0770

 135.4471, 0.4295,
0.3000

 0.0000, 1.0000,
0.0000

 169.6379, 0.4210,

 0.0000, 0.0000,

0.3024

0.0000

209.1465, 0.4137,
0.3045

■ 20.4531, 0.5285,
0.2685

■ 20.4531, 0.5285,
0.2685

■ 20.4532, 0.5285,
0.2685

■ 21.4422, 0.5014,
0.2598

■ 23.3282, 0.4726,
0.2561

■ 26.3774, 0.4435,
0.2577

■ 30.7495, 0.4159,
0.2636

■ 36.5789, 0.3911,
0.2726

■ 43.9832, 0.3695,
0.2835

■ 53.0680, 0.3511,
0.2951

■ 63.9295, 0.3358,
0.3069

■ 76.6568, 0.3231,
0.3182

Harmonies

Analogous

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



20.4531, 0.3808, 0.1999



20.4531, 0.5285, 0.2685



20.4531, 0.5891, 0.3456

Triad

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



20.4531, 0.5285, 0.2685



20.4531, 0.3236, 0.6106



20.4531, 0.1057, 0.1514

Complementary

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



20.4531, 0.5285, 0.2685



67.1712, 0.2667, 0.4801

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.



20.4531, 0.0973, 0.2115



20.4531, 0.5285, 0.2685



20.4531, 0.2071, 0.5393

Square

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



20.4531, 0.5285, 0.2685



20.4531, 0.4445, 0.5383



20.4531, 0.1264, 0.3484



20.4531, 0.1487, 0.1368

Rectangle

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



20.4531, 0.5285, 0.2685



20.4531, 0.5692, 0.4027



20.4531, 0.1264, 0.3484



20.4531, 0.0993, 0.1651

Sweetspot

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



20.4544, 0.5285, 0.2685



58.0331, 0.3512, 0.2950



12.0694, 0.2143, 0.0954



11.4735, 0.3586, 0.2901



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.



20.4544, 0.5285, 0.2685



22.3926, 0.5290, 0.2688



19.7944, 0.6364, 0.3329



16.6016, 0.3226, 0.3188



11.0449, 0.5245, 0.2663



0.9910, 0.4928, 0.2488

Inverse Universe

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



20.4544, 0.5285, 0.2685



22.3926, 0.5290, 0.2688



62.4496, 0.2188, 0.3077



16.6016, 0.3226, 0.3188



11.0449, 0.5245, 0.2663



0.9910, 0.4928, 0.2488

Previews

White Background



This preview shows how the Yxy color 20.4531, 0.5285, 0.2685 looks on a white background.

Color Contrast Check

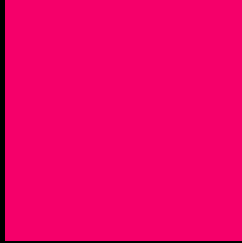
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4531, 0.5285, 0.2685 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 20.4531, 0.5285, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 20.4531, 0.5285, 0.2685.

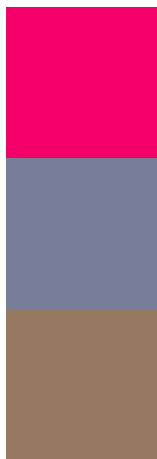


This preview shows how white text looks on a background with the Yxy color 20.4531, 0.5285, 0.2685.

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

20.4531, 0.5285, 0.2685

Protanopia

20.9934, 0.2772, 0.2783

Deuteranopia

20.9088, 0.3796, 0.3719



Tritanopia

20.8707, 0.6045, 0.3304

Trichromacy



Original Color

20.4531, 0.5285, 0.2685



Protanomaly

15.5428, 0.3584, 0.2432



Deuteranomaly

16.4182, 0.4490, 0.2982



Tritanomaly

20.3986, 0.5861, 0.3093

Monochromacy



Original Color

20.4531, 0.5285, 0.2685



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

9.2683, 0.4146, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4531, 0.5285, 0.2685 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(245, 0, 106)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 106)  
}
```

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(245, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 106) }
```

Border

The CSS property to change the border of an element to Yxy 20.4531, 0.5285, 0.2685 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(245, 0, 106) }
```

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

```
.border{ border-color:rgb(245, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4531, 0.5285, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 106) }
```

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

```
.background{ background-color: rgb(245, 0,  
106) }
```

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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