

Converting Colors

$Y_{xy}(20.7676, 0.5185, 0.2647)$

Have a look what the booklet for
Yxy(20.7676, 0.5185, 0.2647)
contains.

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Color

Yxy(20.7338, 0.5190, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	F5086F
RGB	245, 8, 111
RGB Percent	96%, 3%, 44%
CMY	0.0393, 0.9677, 0.5647
CMYK	0.00, 0.97, 0.55, 0.04
HSL	334°, 94%, 50%
HSV	334°, 97%, 96%
XYZ	40.6070, 20.7338, 16.9000
YIQ	90.6050, 108.1890, 82.2770

Conversions

Conversions Part 2

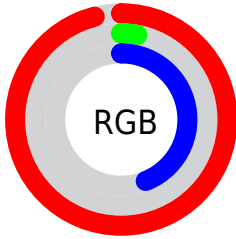
Format	Color
R_{YB}	245, 8, 111
Decimal	16058479
CIE _{Lab}	52.66, 80.65, 10.89
CIE _{LCh}	53, 81.377, 7.691
Yxy	20.7338, 0.5190, 0.2650
Android (android.graphics.Color)	4294248559 (0xFFFF5086F)
YUV	90.6050, 10.0547, 135.4044
Hunter-Lab	45.5344, 79.4987, 9.8687

Details

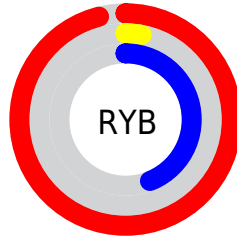
The Yxy color **20.7338, 0.5190, 0.2650** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **67.3048, 0.2658, 0.4752**, and the grayscale version is **10.3563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6040, 0.4257, 0.2662**, and **10.1939, 0.5560, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **20.4565, 0.5279, 0.2682**, and if you desaturate by 10%, it is **21.9585, 0.4914, 0.2577**.

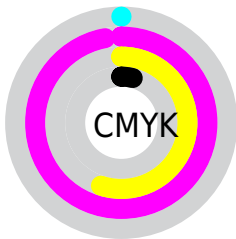
Distribution



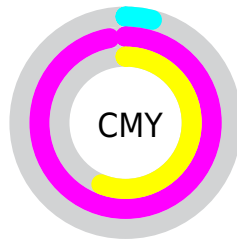
- Red (96%)
- Green (3%)
- Blue (44%)



- Red (96%)
- Yellow (3%)
- Blue (44%)



- Cyan (0%)
- Magenta (97%)
- Yellow (55%)
- Black (4%)




- Cyan (4%)
- Magenta (97%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7338, 0.5190, 0.2650 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 20.7338, 0.5190, 0.2650 by changing the saturation by 10% instead.


 20.7338, 0.5190,
0.2650


 20.7338, 0.5190,
0.2650


255.8604, 0.4034,
0.3038


 12.9296, 0.5515,
0.2529


 44.6441, 0.4741,
0.2809


 7.3801, 0.5949,
0.2359


 61.5189, 0.4581,
0.2863

 3.7009, 0.6548,
0.2108

 82.1861, 0.4449,
0.2906

 1.5077, 0.7401,
0.1724

 107.0299, 0.4339,
0.2942

 0.2941, 0.9153,
0.0847

 136.4349, 0.4245,
0.2972

 0.0000, 1.0000,
0.0000

 170.7854, 0.4165,

 0.0000, 0.0000,

0.2997

0.0000

210.4657, 0.4095,
0.3019

■ 20.7338, 0.5190,
0.2650

■ 20.7338, 0.5190,
0.2650

■ 20.4565, 0.5279,
0.2682

■ 21.9585, 0.4914,
0.2577

■ 24.2133, 0.4623,
0.2558

■ 27.6878, 0.4337,
0.2590

■ 32.5320, 0.4070,
0.2661

■ 38.8738, 0.3833,
0.2759

■ 46.8265, 0.3628,
0.2872

■ 56.4920, 0.3456,
0.2990

■ 67.9641, 0.3312,
0.3107

■ 81.3296, 0.3194,
0.3219

Harmonies

Analogous

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



20.7338, 0.3708, 0.1977



20.7338, 0.5190, 0.2650



20.7338, 0.5860, 0.3415

Triad

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



20.7338, 0.5190, 0.2650



20.7338, 0.3315, 0.6059



20.7338, 0.1059, 0.1550

Complementary

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



20.7338, 0.5190, 0.2650



67.3048, 0.2658, 0.4752

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.



20.7338, 0.0995, 0.2186



20.7338, 0.5190, 0.2650



20.7338, 0.2149, 0.5454

Square

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



20.7338, 0.5190, 0.2650



20.7338, 0.4509, 0.5309



20.7338, 0.1315, 0.3592



20.7338, 0.1464, 0.1382

Rectangle

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



20.7338, 0.5190, 0.2650



20.7338, 0.5704, 0.3977



20.7338, 0.1315, 0.3592



20.7338, 0.1001, 0.1697

Sweetspot

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



20.7351, 0.5190, 0.2650



59.1398, 0.3495, 0.2961



12.2109, 0.2142, 0.0964



11.6821, 0.3568, 0.2910



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.



20.7351, 0.5190, 0.2650



22.4009, 0.5284, 0.2685



19.9295, 0.6329, 0.3324



16.6020, 0.3225, 0.3188



11.0491, 0.5239, 0.2660



0.9913, 0.4923, 0.2485

Inverse Universe

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



20.7351, 0.5190, 0.2650



22.4009, 0.5284, 0.2685



65.0026, 0.2208, 0.3136



16.6020, 0.3225, 0.3188



11.0491, 0.5239, 0.2660



0.9913, 0.4923, 0.2485

Previews

White Background



This preview shows how the Yxy color 20.7338, 0.5190, 0.2650 looks on a white background.

Color Contrast Check

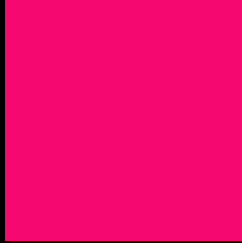
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7338, 0.5190, 0.2650 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 20.7338, 0.5190, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 20.7338, 0.5190, 0.2650.



This preview shows how white text looks on a background with the Yxy color 20.7338, 0.5190, 0.2650.

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

20.7338, 0.5190, 0.2650

Protanopia

21.0920, 0.2688, 0.2670

Deuteranopia

21.1546, 0.3715, 0.3651



Tritanopia

20.9359, 0.5999, 0.3304

Trichromacy



Original Color

20.7338, 0.5190, 0.2650



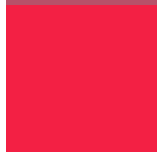
Protanomaly

16.0622, 0.3472, 0.2387



Deuteranomaly

16.9721, 0.4366, 0.2961



Tritanomaly

20.5051, 0.5799, 0.3087

Monochromacy



Original Color

20.7338, 0.5190, 0.2650



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.4224, 0.4073, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7338, 0.5190, 0.2650 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, 8, 111)` looks like.

```
.text, #text, p{  
    color:rgb(245, 8, 111)  
}
```

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, 8, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 8, 111) }
```

Border

The CSS property to change the border of an element to Yxy 20.7338, 0.5190, 0.2650 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, 8, 111) }
```

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

```
.border{ border-color:rgb(245, 8, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 8, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 8, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 8, 111);  
box-shadow:4px 4px 4px 4px rgb(245, 8,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7338, 0.5190, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 8, 111) }
```

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

```
.background{ background-color: rgb(245, 8,  
111) }
```

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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