

Converting Colors

$Yxy(19.9686, 0.5696, 0.2911)$

Have a look what the booklet for
Yxy(19.9686, 0.5696, 0.2911)
contains.

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Color

Yxy(20.0066, 0.5695, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	F50051
RGB	245, 0, 81
RGB Percent	96%, 0%, 32%
CMY	0.0392, 0.9996, 0.6824
CMYK	0.00, 1.00, 0.67, 0.04
HSL	340°, 100%, 48%
HSV	340°, 100%, 96%
XYZ	39.1404, 20.0066, 9.5806
YIQ	82.4890, 120.0190, 77.1310

Conversions

Conversions Part 2

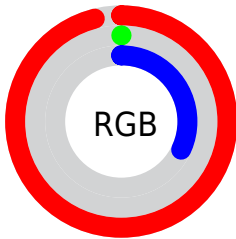
Format	Color
RYB	245, 0, 81
Decimal	16056401
CIELab	51.84, 79.56, 28.02
CIELCh	52, 84.346, 19.401
Yxy	20.0066, 0.5695, 0.2911
Android (android.graphics.Color)	4294246481 (0xFFFF50051)
YUV	82.4890, -0.7341, 142.5221
Hunter-Lab	44.7287, 77.9230, 18.6106

Details

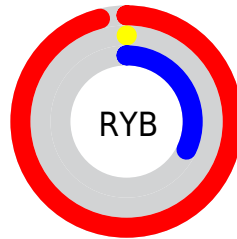
The Yxy color **20.0066, 0.5695, 0.2911** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **67.9877, 0.2563, 0.4427**, and the grayscale version is **8.5357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2374, 0.4699, 0.2968**, and **9.8369, 0.6056, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **20.0048, 0.5696, 0.2911**, and if you desaturate by 10%, it is **20.9604, 0.5395, 0.2815**.

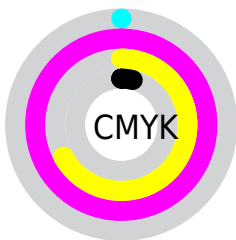
Distribution



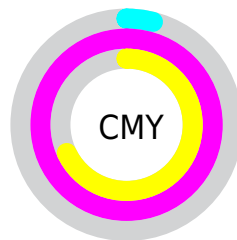
- Red (96%)
- Green (0%)
- Blue (32%)



- Red (96%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0066, 0.5695, 0.2911 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 20.0066, 0.5695, 0.2911 by changing the saturation by 10% instead.


 20.0066, 0.5695,
0.2911


 20.0066, 0.5695,
0.2911


251.9508, 0.4258,
0.3215


 12.3998, 0.6083,
0.2788


 43.4282, 0.5145,
0.3055


 7.0166, 0.6582,
0.2602

 60.0119, 0.4945,
0.3098

 3.4725, 0.7238,
0.2313

 80.3567, 0.4780,
0.3131

 1.3831, 0.8138,
0.1862

 104.8470, 0.4642,
0.3156

 0.2042, 0.9345,
0.0655

 133.8671, 0.4524,
0.3176

 0.0000, 1.0000,
0.0000

 167.8016, 0.4423,

 0.0000, 0.0000,

0.3192

0.0000

207.0347, 0.4335,
0.3205

■ 20.0066, 0.5695,
0.2911

■ 20.0066, 0.5695,
0.2911

■ 20.0048, 0.5696,
0.2911

■ 20.9604, 0.5395,
0.2815

■ 22.8268, 0.5054,
0.2761

■ 25.8727, 0.4701,
0.2757

■ 30.2594, 0.4364,
0.2793

■ 36.1223, 0.4060,
0.2859

■ 43.5804, 0.3798,
0.2941

■ 52.7403, 0.3578,
0.3030

■ 63.6994, 0.3397,
0.3121

■ 76.5475, 0.3248,
0.3208

Harmonies

Analogous

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



20.0066, 0.4377, 0.2178



20.0066, 0.5695, 0.2911



20.0066, 0.5913, 0.3713

Triad

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



20.0066, 0.5695, 0.2911



20.0066, 0.2803, 0.6190



20.0066, 0.1115, 0.1381

Complementary

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



20.0066, 0.5695, 0.2911



67.9877, 0.2563, 0.4427

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.



20.0066, 0.0919, 0.1804



20.0066, 0.5695, 0.2911



20.0066, 0.1697, 0.4854

Square

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



20.0066, 0.5695, 0.2911



20.0066, 0.4045, 0.5757



20.0066, 0.1066, 0.2907



20.0066, 0.1687, 0.1349

Rectangle

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



20.0066, 0.5695, 0.2911



20.0066, 0.5507, 0.4335



20.0066, 0.1066, 0.2907



20.0066, 0.1013, 0.1469

Sweetspot

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



20.0079, 0.5695, 0.2911



57.6486, 0.3580, 0.3029



14.4193, 0.2370, 0.1079



11.3836, 0.3668, 0.2991



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.



20.0079, 0.5695, 0.2911



21.9037, 0.5701, 0.2914



20.9919, 0.6255, 0.3415



16.5728, 0.3242, 0.3212



10.8001, 0.5653, 0.2888



0.9674, 0.5302, 0.2695

Inverse Universe

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



20.0079, 0.5695, 0.2911



21.9037, 0.5701, 0.2914



49.8643, 0.2095, 0.2740



16.5728, 0.3242, 0.3212



10.8001, 0.5653, 0.2888



0.9674, 0.5302, 0.2695

Previews

White Background



This preview shows how the Yxy color 20.0066, 0.5695, 0.2911 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 20.0066, 0.5695, 0.2911 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 20.0066, 0.5695, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 20.0066, 0.5695, 0.2911.

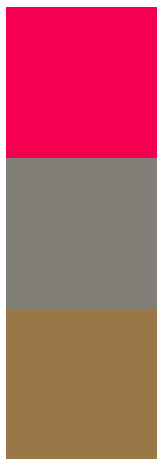


This preview shows how white text looks on a background with the Yxy color 20.0066, 0.5695, 0.2911.

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

20.0066, 0.5695, 0.2911

Protanopia

20.6663, 0.3244, 0.3400

Deuteranopia

20.4082, 0.4178, 0.4091



Tritanopia

20.4046, 0.6189, 0.3318

Trichromacy



Original Color

20.0066, 0.5695, 0.2911



Protanomaly

15.4152, 0.4207, 0.2920



Deuteranomaly

16.1024, 0.4964, 0.3321



Tritanomaly

19.9747, 0.6084, 0.3191

Monochromacy



Original Color

20.0066, 0.5695, 0.2911



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.9062, 0.4384, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0066, 0.5695, 0.2911 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 81) }
```

Border

The CSS property to change the border of an element to Yxy 20.0066, 0.5695, 0.2911 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, 81) }
```

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

```
.border{ border-color:rgb(245, 0, 81) }
```

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, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.0066, 0.5695, 0.2911 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, 81) }
```

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

```
.background{ background-color: rgb(245, 0,  
81) }
```

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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