

Converting Colors

$Y_{xy}(20.0370, 0.5664, 0.2894)$

Have a look what the booklet for
Yxy(20.0370, 0.5664, 0.2894)
contains.

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Color

Yxy(20.0370, 0.5664, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	F50053
RGB	245, 0, 83
RGB Percent	96%, 0%, 33%
CMY	0.0392, 0.9995, 0.6745
CMYK	0.00, 1.00, 0.66, 0.04
HSL	340°, 100%, 48%
HSV	340°, 100%, 96%
XYZ	39.2155, 20.0370, 9.9839
YIQ	82.7170, 119.3770, 77.7530

Conversions

Conversions Part 2

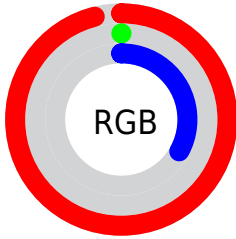
Format	Color
R_{YB}	245, 0, 83
Decimal	16056403
CIE Lab	51.88, 79.65, 26.85
CIE LCh	52, 84.049, 18.627
Yxy	20.0370, 0.5664, 0.2894
Android (android.graphics.Color)	4294246483 (0xFFFF50053)
YUV	82.7170, 0.1395, 142.3222
Hunter-Lab	44.7627, 78.0446, 18.1098

Details

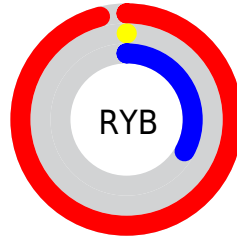
The Yxy color **20.0370, 0.5664, 0.2894** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **67.9135, 0.2571, 0.4457**, and the grayscale version is **8.5865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2917, 0.4672, 0.2948**, and **9.8498, 0.6025, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **20.0342, 0.5665, 0.2895**, and if you desaturate by 10%, it is **20.9952, 0.5365, 0.2798**.

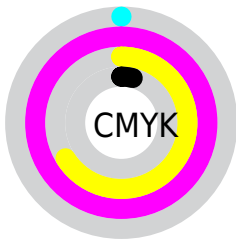
Distribution



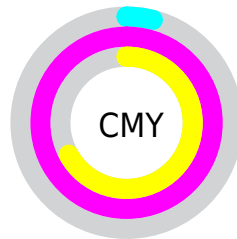
- Red (96%)
- Green (0%)
- Blue (33%)



- Red (96%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0370, 0.5664, 0.2894 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 20.0370, 0.5664, 0.2894 by changing the saturation by 10% instead.


 20.0370, 0.5664,
0.2894


 20.0370, 0.5664,
0.2894


252.1153, 0.4243,
0.3203


 12.4219, 0.6049,
0.2772


 43.4792, 0.5119,
0.3038


 7.0317, 0.6547,
0.2587


 60.0751, 0.4922,
0.3082

 3.4819, 0.7198,
0.2300

 80.4335, 0.4759,
0.3116

 1.3882, 0.8138,
0.1862

 104.9387, 0.4622,
0.3142

 0.2080, 0.9336,
0.0664

 133.9750, 0.4506,
0.3162

 0.0000, 1.0000,
0.0000

 167.9270, 0.4406,

 0.0000, 0.0000,

0.3178

0.0000

207.1790, 0.4319,
0.3192

■ 20.0370, 0.5664,
0.2894

■ 20.0370, 0.5664,
0.2894

■ 20.0342, 0.5665,
0.2895

■ 20.9952, 0.5365,
0.2798

■ 22.8655, 0.5028,
0.2745

■ 25.9142, 0.4679,
0.2742

■ 30.3023, 0.4347,
0.2781

■ 36.1653, 0.4048,
0.2848

■ 43.6218, 0.3790,
0.2933

■ 52.7784, 0.3573,
0.3024

■ 63.7322, 0.3393,
0.3117

■ 76.5732, 0.3246,
0.3206

Harmonies

Analogous

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



20.0370, 0.4330, 0.2164



20.0370, 0.5664, 0.2894



20.0370, 0.5913, 0.3693

Triad

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



20.0370, 0.5664, 0.2894



20.0370, 0.2838, 0.6186



20.0370, 0.1110, 0.1392

Complementary

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



20.0370, 0.5664, 0.2894



67.9135, 0.2571, 0.4457

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.



20.0370, 0.0923, 0.1827



20.0370, 0.5664, 0.2894



20.0370, 0.1726, 0.4900

Square

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



20.0370, 0.5664, 0.2894



20.0370, 0.4078, 0.5726



20.0370, 0.1081, 0.2950



20.0370, 0.1670, 0.1350

Rectangle

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



20.0370, 0.5664, 0.2894



20.0370, 0.5522, 0.4310



20.0370, 0.1081, 0.2950



20.0370, 0.1012, 0.1483

Sweetspot

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



20.0383, 0.5664, 0.2894



57.6785, 0.3575, 0.3023



13.9954, 0.2331, 0.1058



11.3905, 0.3662, 0.2984



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.



20.0383, 0.5664, 0.2894



21.9368, 0.5671, 0.2898



20.7255, 0.6278, 0.3396



16.5751, 0.3240, 0.3210



10.8168, 0.5623, 0.2871



0.9691, 0.5273, 0.2678

Inverse Universe

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



20.0383, 0.5664, 0.2894



21.9368, 0.5671, 0.2898



51.8325, 0.2111, 0.2798



16.5751, 0.3240, 0.3210



10.8168, 0.5623, 0.2871



0.9691, 0.5273, 0.2678

Previews

White Background



This preview shows how the Yxy color 20.0370, 0.5664, 0.2894 looks on a white background.

Color Contrast Check

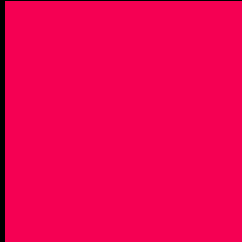
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0370, 0.5664, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

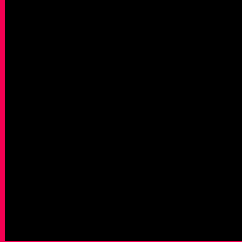
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0370, 0.5664, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 20.0370, 0.5664, 0.2894.



This preview shows how white text looks on a background with the Yxy color 20.0370, 0.5664, 0.2894.

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

20.0370, 0.5664, 0.2894

Protanopia

20.6616, 0.3197, 0.3345

Deuteranopia

20.4338, 0.4155, 0.4062



Tritanopia

20.2874, 0.6176, 0.3319

Trichromacy



Original Color

20.0370, 0.5664, 0.2894



Protanomaly

15.4780, 0.4155, 0.2875



Deuteranomaly

16.1298, 0.4932, 0.3295



Tritanomaly

20.0287, 0.6061, 0.3182

Monochromacy



Original Color

20.0370, 0.5664, 0.2894



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.9215, 0.4361, 0.2781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0370, 0.5664, 0.2894 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, 83)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 83) }
```

Border

The CSS property to change the border of an element to Yxy 20.0370, 0.5664, 0.2894 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, 83) }
```

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

```
.border{ border-color:rgb(245, 0, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.0370, 0.5664, 0.2894 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, 83) }
```

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

```
.background{ background-color: rgb(245, 0,  
83) }
```

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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