

Converting Colors

$Y_{xy}(20.0735, 0.5599, 0.2885)$

Have a look what the booklet for
Yxy(20.0735, 0.5599, 0.2885)
contains.

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Color

Yxy(20.1443, 0.5596, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	F40B56
RGB	244, 11, 86
RGB Percent	96%, 4%, 34%
CMY	0.0432, 0.9559, 0.6628
CMYK	0.00, 0.95, 0.65, 0.04
HSL	341°, 91%, 50%
HSV	341°, 95%, 96%
XYZ	39.1008, 20.1443, 10.6276
YIQ	89.2170, 114.7930, 72.7210

Conversions

Conversions Part 2

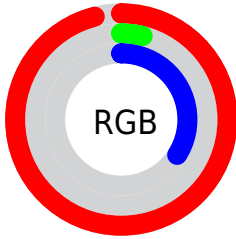
Format	Color
R_{YB}	244, 11, 86
Decimal	15993686
CIE _{Lab}	52.00, 78.76, 25.16
CIE _{LCh}	52, 82.682, 17.713
Yxy	20.1443, 0.5596, 0.2883
Android (android.graphics.Color)	4294183766 (0xFFFF40B56)
YUV	89.2170, -1.5860, 135.7447
Hunter-Lab	44.8824, 76.9619, 17.3785

Details

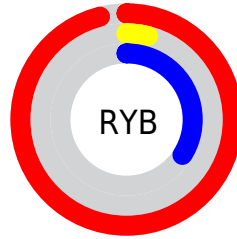
The Yxy color **20.1443, 0.5596, 0.2883** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **67.6333, 0.2544, 0.4338**, and the grayscale version is **10.0581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7446, 0.4622, 0.2936**, and **9.7509, 0.5972, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **19.7836, 0.5730, 0.2930**, and if you desaturate by 10%, it is **21.4398, 0.5273, 0.2802**.

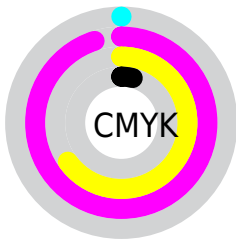
Distribution



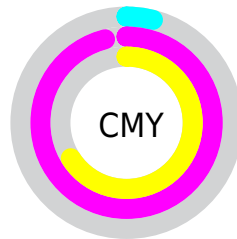
- Red (96%)
- Green (4%)
- Blue (34%)



- Red (96%)
- Yellow (4%)
- Blue (34%)



- Cyan (0%)
- Magenta (95%)
- Yellow (65%)
- Black (4%)




- Cyan (4%)
- Magenta (96%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1443, 0.5596, 0.2883 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 20.1443, 0.5596, 0.2883 by changing the saturation by 10% instead.


 20.1443, 0.5596,
0.2883


 20.1443, 0.5596,
0.2883


252.6952, 0.4211,
0.3191


 12.5000, 0.5974,
0.2764


 43.6590, 0.5063,
0.3025


 7.0851, 0.6466,
0.2585


 60.2981, 0.4871,
0.3069


 3.5154, 0.7111,
0.2304

 80.7043, 0.4713,
0.3102

 1.4064, 0.8110,
0.1890

 105.2620, 0.4579,
0.3128

 0.2214, 0.9292,
0.0708

 134.3556, 0.4466,
0.3149

 0.0000, 1.0000,
0.0000

 168.3693, 0.4369,

 0.0000, 0.0000,

0.3166

0.0000

207.6878, 0.4285,
0.3179

■ 20.1443, 0.5596,
0.2883

■ 20.1443, 0.5596,
0.2883

■ 19.7836, 0.5730,
0.2930

■ 21.4398, 0.5273,
0.2802

■ 23.8005, 0.4919,
0.2770

■ 27.4077, 0.4564,
0.2785

■ 32.4083, 0.4236,
0.2834

■ 38.9281, 0.3946,
0.2906

■ 47.0789, 0.3700,
0.2990

■ 56.9620, 0.3495,
0.3078

■ 68.6702, 0.3327,
0.3165

■ 82.2898, 0.3190,
0.3248

Harmonies

Analogous

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



20.1443, 0.4262, 0.2160



20.1443, 0.5596, 0.2883



20.1443, 0.5886, 0.3676

Triad

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



20.1443, 0.5596, 0.2883



20.1443, 0.2891, 0.6139



20.1443, 0.1122, 0.1421

Complementary

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



20.1443, 0.5596, 0.2883



67.6333, 0.2544, 0.4338

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.



20.1443, 0.0946, 0.1872



20.1443, 0.5596, 0.2883



20.1443, 0.1780, 0.4927

Square

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



20.1443, 0.5596, 0.2883



20.1443, 0.4117, 0.5669



20.1443, 0.1119, 0.3010



20.1443, 0.1666, 0.1369

Rectangle

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



20.1443, 0.5596, 0.2883



20.1443, 0.5522, 0.4283



20.1443, 0.1119, 0.3010



20.1443, 0.1027, 0.1517

Sweetspot

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



20.1456, 0.5596, 0.2883



58.7260, 0.3566, 0.3045



14.9260, 0.2409, 0.1114



11.5848, 0.3655, 0.3008



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.



20.1456, 0.5596, 0.2883



21.8674, 0.5735, 0.2933



21.5384, 0.6161, 0.3446



16.5702, 0.3243, 0.3214



10.7817, 0.5688, 0.2907



0.9656, 0.5335, 0.2713

Inverse Universe

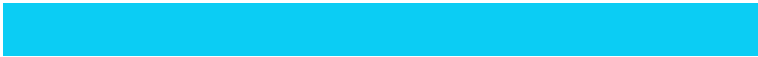
The Inverse Universe completely reimagines the original color for something new.



20.1456, 0.5596, 0.2883



21.8674, 0.5735, 0.2933



50.3562, 0.2107, 0.2767



16.5702, 0.3243, 0.3214



10.7817, 0.5688, 0.2907



0.9656, 0.5335, 0.2713

Previews

White Background



This preview shows how the Yxy color 20.1443, 0.5596, 0.2883 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 20.1443, 0.5596, 0.2883 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 20.1443, 0.5596, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 20.1443, 0.5596, 0.2883.



This preview shows how white text looks on a background with the Yxy color 20.1443, 0.5596, 0.2883.

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

20.1443, 0.5596, 0.2883

Protanopia

20.4337, 0.3141, 0.3254

Deuteranopia

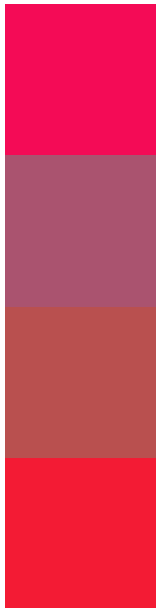
20.3771, 0.4107, 0.4020



Tritanopia

20.2433, 0.6144, 0.3316

Trichromacy



Original Color

20.1443, 0.5596, 0.2883

Protanomaly

15.8803, 0.4073, 0.2870

Deuteranomaly

16.6161, 0.4835, 0.3308

Tritanomaly

20.0865, 0.6010, 0.3179

Monochromacy



Original Color

20.1443, 0.5596, 0.2883

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0618, 0.4250, 0.2831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1443, 0.5596, 0.2883 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(244, 11, 86)` looks like.

```
.text, #text, p{  
    color:rgb(244, 11, 86)  
}
```

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(244, 11, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 11, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.1443, 0.5596, 0.2883 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(244, 11, 86) }
```

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

```
.border{ border-color:rgb(244, 11, 86) }
```

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

Here you see how a box with a 4 pixel rgb(244, 11, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 11, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 11, 86);  
box-shadow:4px 4px 4px 4px rgb(244, 11,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1443, 0.5596, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 11, 86) }
```

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

```
.background{ background-color: rgb(244, 11,  
86) }
```

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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