

Converting Colors

$Y_{xy}(20.8050, 0.5836, 0.2989)$

Have a look what the booklet for
Yxy(20.8050, 0.5836, 0.2989)
contains.

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Color

Yxy(20.8050, 0.5836, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	FA0049
RGB	250, 0, 73
RGB Percent	98%, 0%, 29%
CMY	0.0197, 0.9991, 0.7137
CMYK	0.00, 1.00, 0.71, 0.02
HSL	343°, 100%, 49%
HSV	343°, 100%, 98%
XYZ	40.6216, 20.8050, 8.1786
YIQ	83.0720, 125.5670, 75.7030

Conversions

Conversions Part 2

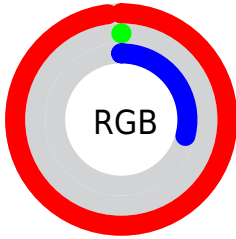
Format	Color
RYB	250, 0, 73
Decimal	16384073
CIELab	52.74, 80.35, 34.12
CIElCh	53, 87.298, 23.010
Yxy	20.8050, 0.5836, 0.2989
Android (android.graphics.Color)	4294574153 (0xFFFA0049)
YUV	83.0720, -4.9655, 146.3959
Hunter-Lab	45.6125, 79.1468, 21.2977

Details

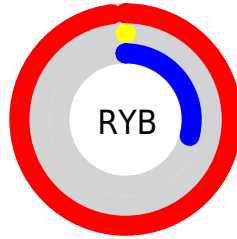
The Yxy color **20.8050, 0.5836, 0.2989** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **71.5424, 0.2524, 0.4285**, and the grayscale version is **8.6850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1899, 0.4815, 0.3067**, and **10.2841, 0.6165, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **20.7990, 0.5839, 0.2990**, and if you desaturate by 10%, it is **21.7759, 0.5533, 0.2893**.

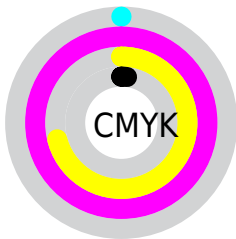
Distribution



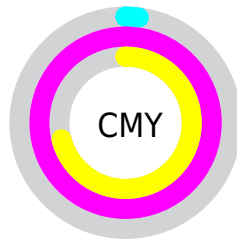
- Red (98%)
- Green (0%)
- Blue (29%)



- Red (98%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8050, 0.5836, 0.2989 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 20.8050, 0.5836, 0.2989 by changing the saturation by 10% instead.


 20.8050, 0.5836,
0.2989


 20.8050, 0.5836,
0.2989


256.2404, 0.4339,
0.3272


 12.9815, 0.6226,
0.2865


 44.7628, 0.5271,
0.3130

 7.4158, 0.6716,
0.2674


 61.6659, 0.5064,
0.3171

 3.7235, 0.7382,
0.2390

 82.3643, 0.4891,
0.3201

 1.5201, 0.8099,
0.1901

 107.2425, 0.4745,
0.3224

 0.3028, 0.9130,
0.0870

 136.6848, 0.4621,
0.3241

 0.0000, 1.0000,
0.0000

 171.0756, 0.4514,

 0.0000, 0.0000,

0.3254

0.0000

210.7993, 0.4421,
0.3264

■ 20.8050, 0.5836,
0.2989

■ 20.8050, 0.5836,
0.2989

■ 20.7990, 0.5839,
0.2990

■ 21.7759, 0.5533,
0.2893

■ 23.7131, 0.5178,
0.2836

■ 26.8936, 0.4804,
0.2825

■ 31.4875, 0.4443,
0.2854

■ 37.6380, 0.4118,
0.2910

■ 45.4705, 0.3838,
0.2982

■ 55.0976, 0.3604,
0.3061

■ 66.6220, 0.3411,
0.3141

■ 80.1387, 0.3254,
0.3218

Harmonies

Analogous

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



20.8050, 0.4600, 0.2242



20.8050, 0.5836, 0.2989



20.8050, 0.5904, 0.3807

Triad

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



20.8050, 0.5836, 0.2989



20.8050, 0.2635, 0.6200



20.8050, 0.1136, 0.1333

Complementary

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



20.8050, 0.5836, 0.2989



71.5424, 0.2524, 0.4285

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.



20.8050, 0.0898, 0.1697



20.8050, 0.5836, 0.2989



20.8050, 0.1560, 0.4634

Square

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



20.8050, 0.5836, 0.2989



20.8050, 0.3887, 0.5903



20.8050, 0.0996, 0.2707



20.8050, 0.1766, 0.1340

Rectangle

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



20.8050, 0.5836, 0.2989



20.8050, 0.5430, 0.4459



20.8050, 0.0996, 0.2707



20.8050, 0.1019, 0.1405

Sweetspot

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



20.8063, 0.5836, 0.2989



57.5073, 0.3606, 0.3060



16.0264, 0.2450, 0.1123



11.3507, 0.3700, 0.3026



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.



20.8063, 0.5836, 0.2989



21.7585, 0.5841, 0.2991



22.6176, 0.6201, 0.3457



17.3084, 0.3248, 0.3221



11.0561, 0.5797, 0.2967



1.0416, 0.5460, 0.2782

Inverse Universe

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



20.8063, 0.5836, 0.2989



21.7585, 0.5841, 0.2991



48.2249, 0.2062, 0.2623



17.3084, 0.3248, 0.3221



11.0561, 0.5797, 0.2967



1.0416, 0.5460, 0.2782

Previews

White Background



This preview shows how the Yxy color 20.8050, 0.5836, 0.2989 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 20.8050, 0.5836, 0.2989 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 20.8050, 0.5836, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 20.8050, 0.5836, 0.2989.



This preview shows how white text looks on a background with the Yxy color 20.8050, 0.5836, 0.2989.

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

20.8050, 0.5836, 0.2989

Protanopia

21.3512, 0.3417, 0.3615

Deuteranopia

21.1798, 0.4306, 0.4225



Tritanopia

21.1301, 0.6239, 0.3322

Trichromacy



Original Color

20.8050, 0.5836, 0.2989



Protanomaly

15.9595, 0.4427, 0.3078



Deuteranomaly

16.7658, 0.5145, 0.3437



Tritanomaly

20.7656, 0.6157, 0.3221

Monochromacy



Original Color

20.8050, 0.5836, 0.2989



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

9.0400, 0.4486, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8050, 0.5836, 0.2989 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(250, 0, 73)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 73)  
}
```

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(250, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 73) }
```

Border

The CSS property to change the border of an element to Yxy 20.8050, 0.5836, 0.2989 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(250, 0, 73) }
```

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

```
.border{ border-color:rgb(250, 0, 73) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.8050, 0.5836, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 73) }
```

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

```
.background{ background-color: rgb(250, 0,  
73) }
```

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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