

Converting Colors

$Y_{xy}(21.3572, 0.5029, 0.2679)$

Have a look what the booklet for
Yxy(21.3572, 0.5029, 0.2679)
contains.

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Color

Yxy(21.3248, 0.5032, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	F12673
RGB	241, 38, 115
RGB Percent	95%, 15%, 45%
CMY	0.0550, 0.8505, 0.5491
CMYK	0.00, 0.84, 0.52, 0.06
HSL	337°, 88%, 55%
HSV	337°, 84%, 94%
XYZ	40.0546, 21.3248, 18.2204
YIQ	107.4750, 96.2710, 66.9830

Conversions

Conversions Part 2

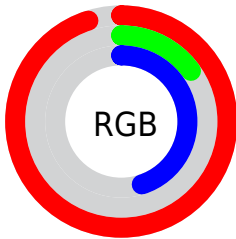
Format	Color
R_{YB}	241, 38, 115
Decimal	15804019
CIE _{Lab}	53.30, 76.14, 9.28
CIE _{LCh}	53, 76.707, 6.946
Yxy	21.3248, 0.5032, 0.2679
Android (android.graphics.Color)	4293994099 (0xFFFF12673)
YUV	107.4750, 3.7098, 117.1014
Hunter-Lab	46.1788, 74.0148, 8.9316

Details

The Yxy color **21.3248, 0.5032, 0.2679** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **65.9897, 0.2583, 0.4376**, and the grayscale version is **14.8269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7751, 0.4160, 0.2700**, and **9.8823, 0.5444, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **19.9302, 0.5340, 0.2748**, and if you desaturate by 10%, it is **23.7736, 0.4707, 0.2663**.

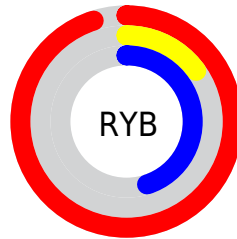
Distribution



Red (95%)

Green (15%)

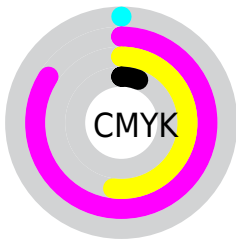
Blue (45%)



Red (95%)

Yellow (15%)

Blue (45%)

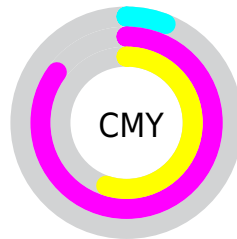


Cyan (0%)

Magenta (84%)

Yellow (52%)

Black (6%)



Cyan (6%)

Magenta (85%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3248, 0.5032, 0.2679 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 21.3248, 0.5032, 0.2679 by changing the saturation by 10% instead.


 21.3248, 0.5032,
0.2679


 21.3248, 0.5032,
0.2679


258.9996, 0.3966,
0.3044


 13.3616, 0.5333,
0.2566


 45.6275, 0.4618,
0.2827


 7.6780, 0.5737,
0.2409


 62.7358, 0.4470,
0.2878


 3.8896, 0.6300,
0.2176

 83.6612, 0.4349,
0.2919

 1.6120, 0.7108,
0.1816

 108.7882, 0.4247,
0.2953

 0.3657, 0.8938,
0.1062

 138.5011, 0.4161,
0.2981

 0.0000, 1.0000,
0.0000

173.1844, 0.4087,

 0.0000, 0.0000,

0.3005

0.0000

213.2225, 0.4023,
0.3026

■ 21.3248, 0.5032,
0.2679

■ 21.3248, 0.5032,
0.2679

■ 19.9302, 0.5340,
0.2748

■ 23.7736, 0.4707,
0.2663


■ 19.4560, 0.5505,
0.2806

■ 27.4414, 0.4391,
0.2694


■ 32.4680, 0.4100,
0.2761

■ 38.9728, 0.3844,
0.2849

■ 47.0622, 0.3626,
0.2949

 56.8326, 0.3445,
0.3053

 68.3726, 0.3295,
0.3154

 81.7647, 0.3172,
0.3251

 97.0861, 0.3071,
0.3342

Harmonies

Analogous

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



21.3248, 0.3643, 0.2029



21.3248, 0.5032, 0.2679



21.3248, 0.5706, 0.3429

Triad

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



21.3248, 0.5032, 0.2679



21.3248, 0.3380, 0.5881



21.3248, 0.1139, 0.1646

Complementary

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



21.3248, 0.5032, 0.2679



65.9897, 0.2583, 0.4376

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.



21.3248, 0.1091, 0.2286



21.3248, 0.5032, 0.2679



21.3248, 0.2252, 0.5319

Square

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



21.3248, 0.5032, 0.2679



21.3248, 0.4511, 0.5218



21.3248, 0.1427, 0.3629



21.3248, 0.1527, 0.1466

Rectangle

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



21.3248, 0.5032, 0.2679



21.3248, 0.5598, 0.3975



21.3248, 0.1427, 0.3629



21.3248, 0.1086, 0.1797

Sweetspot

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



21.3261, 0.5032, 0.2679



63.5581, 0.3459, 0.3044



15.5507, 0.2407, 0.1180



12.7313, 0.3521, 0.3007



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.



21.3261, 0.5032, 0.2679



22.1163, 0.5512, 0.2810



22.2570, 0.5924, 0.3440



15.8580, 0.3234, 0.3201



10.5779, 0.5462, 0.2783



0.8987, 0.5106, 0.2586

Inverse Universe

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



21.3261, 0.5032, 0.2679



22.1163, 0.5512, 0.2810



56.5445, 0.2187, 0.2976



15.8580, 0.3234, 0.3201



10.5779, 0.5462, 0.2783



0.8987, 0.5106, 0.2586

Previews

White Background



This preview shows how the Yxy color 21.3248, 0.5032, 0.2679 looks on a white background.

Color Contrast Check

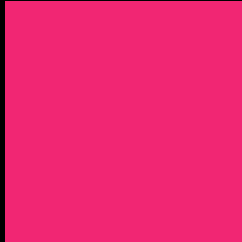
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3248, 0.5032, 0.2679 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 21.3248, 0.5032, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 21.3248, 0.5032, 0.2679.



This preview shows how white text looks on a background with the Yxy color 21.3248, 0.5032, 0.2679.

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

21.3248, 0.5032, 0.2679

Protanopia

21.7099, 0.2720, 0.2724

Deuteranopia

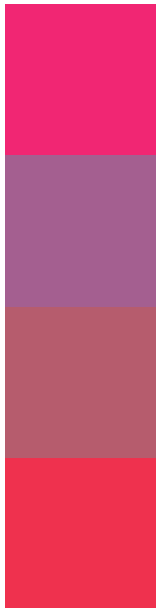
21.4817, 0.3660, 0.3599



Tritanopia

21.3009, 0.5780, 0.3291

Trichromacy



Original Color

21.3248, 0.5032, 0.2679

Protanomaly

18.0905, 0.3436, 0.2544

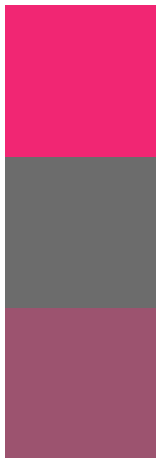
Deuteranomaly

18.7035, 0.4222, 0.3051

Tritanomaly

21.0974, 0.5562, 0.3083

Monochromacy



Original Color

21.3248, 0.5032, 0.2679

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.4021, 0.3868, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3248, 0.5032, 0.2679 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(241, 38, 115)` looks like.

```
.text, #text, p{  
    color:rgb(241, 38, 115)  
}
```

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(241, 38, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 38, 115) }
```

Border

The CSS property to change the border of an element to Yxy 21.3248, 0.5032, 0.2679 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(241, 38, 115) }
```

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

```
.border{ border-color:rgb(241, 38, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 38, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 38, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 38, 115);  
box-shadow:4px 4px 4px 4px rgb(241, 38,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3248, 0.5032, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 38, 115) }
```

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

```
.background{ background-color: rgb(241, 38,  
115) }
```

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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