

Converting Colors

$Y_{xy}(21.8483, 0.5080, 0.2900)$

Have a look what the booklet for
Yxy(21.8483, 0.5080, 0.2900)
contains.

Yxy(21.8934, 0.5078, 0.2897)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8934, 0.5078, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	EB3C68
RGB	235, 60, 104
RGB Percent	92%, 24%, 41%
CMY	0.0784, 0.7647, 0.5921
CMYK	0.00, 0.74, 0.56, 0.08
HSL	345°, 81%, 58%
HSV	345°, 74%, 92%
XYZ	38.3758, 21.8934, 15.3035
YIQ	117.3410, 90.1760, 50.7840

Conversions

Conversions Part 2

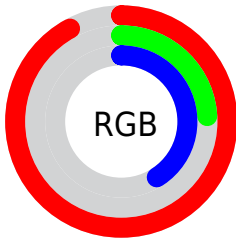
Format	Color
R_{YB}	235, 60, 104
Decimal	15416424
CIE _{Lab}	53.91, 68.20, 16.56
CIE _{LCh}	54, 70.181, 13.644
Yxy	21.8934, 0.5078, 0.2897
Android (android.graphics.Color)	4293606504 (0xFFEB3C68)
YUV	117.3410, -6.5771, 103.1869
Hunter-Lab	46.7904, 64.5161, 13.3616

Details

The Yxy color **21.8934, 0.5078, 0.2897** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **64.1383, 0.2489, 0.3896**, and the grayscale version is **17.9025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3013, 0.4263, 0.2945**, and **9.1897, 0.5621, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **19.6336, 0.5464, 0.2931**, and if you desaturate by 10%, it is **25.3224, 0.4687, 0.2903**.

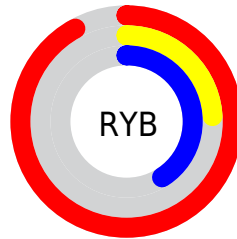
Distribution



Red (92%)

Green (24%)

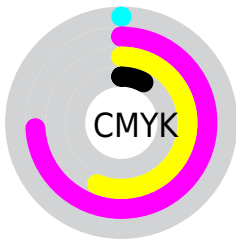
Blue (41%)



Red (92%)

Yellow (24%)

Blue (41%)

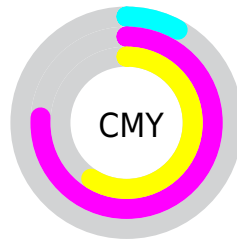


Cyan (0%)

Magenta (74%)

Yellow (56%)

Black (8%)



Cyan (8%)


Magenta (76%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8934, 0.5078, 0.2897 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 21.8934, 0.5078, 0.2897 by changing the saturation by 10% instead.


 21.8934, 0.5078,
0.2897


 21.8934, 0.5078,
0.2897


261.9891, 0.3985,
0.3159


 13.7786, 0.5386,
0.2805


 46.5697, 0.4653,
0.3011

 7.9668, 0.5798,
0.2670


 63.9001, 0.4502,
0.3047

 4.0737, 0.6367,
0.2460


 85.0710, 0.4377,
0.3076

 1.7149, 0.7228,
0.2128

 110.4670, 0.4273,
0.3100

 0.4333, 0.8651,
0.1349

 140.4724, 0.4184,
0.3119

 0.0000, 1.0000,
0.0000

175.4716, 0.4108,

 0.0000, 0.0000,

0.3134

0.0000

215.8491, 0.4042,
0.3148

■ 21.8934, 0.5078,
0.2897

■ 21.8934, 0.5078,
0.2897

■ 19.6336, 0.5464,
0.2931

■ 25.3224, 0.4687,
0.2903

■ 18.3777, 0.5803,
0.3006


■ 30.0496, 0.4324,
0.2940

■ 17.9786, 0.5961,
0.3057


■ 36.1907, 0.4005,
0.2996


■ 43.8477, 0.3735,
0.3061

■ 53.1130, 0.3512,
0.3130

 64.0716, 0.3331,
0.3198

 76.8027, 0.3184,
0.3263

 91.3802, 0.3064,
0.3323

 96.4019, 0.3005,
0.3290

Harmonies

Analogous

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



21.8934, 0.3905, 0.2243



21.8934, 0.5078, 0.2897



21.8934, 0.5516, 0.3637

Triad

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



21.8934, 0.5078, 0.2897



21.8934, 0.3169, 0.5641



21.8934, 0.1315, 0.1695

Complementary

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



21.8934, 0.5078, 0.2897



64.1383, 0.2489, 0.3896

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.



21.8934, 0.1202, 0.2200



21.8934, 0.5078, 0.2897



21.8934, 0.2138, 0.4805

Square

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



21.8934, 0.5078, 0.2897



21.8934, 0.4242, 0.5287



21.8934, 0.1447, 0.3287



21.8934, 0.1772, 0.1588

Rectangle

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



21.8934, 0.5078, 0.2897



21.8934, 0.5329, 0.4174



21.8934, 0.1447, 0.3287



21.8934, 0.1241, 0.1811

Sweetspot

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



21.8947, 0.5078, 0.2897



66.8653, 0.3466, 0.3147



19.9651, 0.2715, 0.1448



13.5913, 0.3520, 0.3128



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.



21.8947, 0.5078, 0.2897



22.7506, 0.5640, 0.2963



27.2651, 0.5336, 0.3663



15.1162, 0.3253, 0.3231



10.0233, 0.5922, 0.3036



0.8022, 0.5531, 0.2821

Inverse Universe

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



21.8947, 0.5078, 0.2897



22.7506, 0.5640, 0.2963



45.6177, 0.2163, 0.2727



15.1162, 0.3253, 0.3231



10.0233, 0.5922, 0.3036



0.8022, 0.5531, 0.2821

Previews

White Background



This preview shows how the Yxy color 21.8934, 0.5078, 0.2897 looks on a white background.

Color Contrast Check

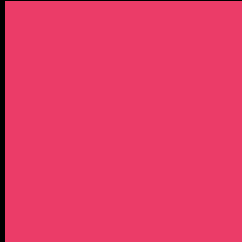
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8934, 0.5078, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

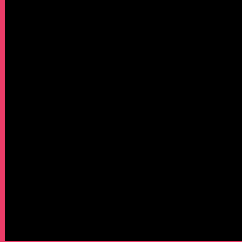
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8934, 0.5078, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 21.8934, 0.5078, 0.2897.



This preview shows how white text looks on a background with the Yxy color 21.8934, 0.5078, 0.2897.

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

21.8934, 0.5078, 0.2897

Protanopia

22.2026, 0.3032, 0.3132

Deuteranopia

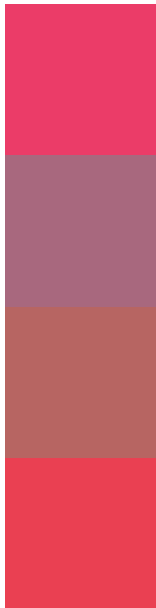
22.0138, 0.3843, 0.3775



Tritanopia

21.7801, 0.5516, 0.3272

Trichromacy



Original Color

21.8934, 0.5078, 0.2897

Protanomaly

19.7318, 0.3720, 0.2952

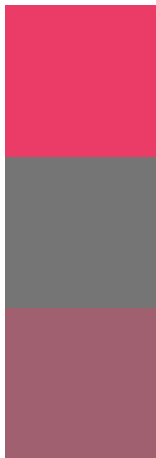
Deuteranomaly

20.2565, 0.4346, 0.3336

Tritanomaly

21.7684, 0.5383, 0.3142

Monochromacy



Original Color

21.8934, 0.5078, 0.2897

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0092, 0.3852, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8934, 0.5078, 0.2897 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(235, 60, 104)` looks like.

```
.text, #text, p{  
    color:rgb(235, 60, 104)  
}
```

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(235, 60, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 60, 104) }
```

Border

The CSS property to change the border of an element to Yxy 21.8934, 0.5078, 0.2897 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(235, 60, 104) }
```

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

```
.border{ border-color:rgb(235, 60, 104) }
```

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

Here you see how a box with a 4 pixel rgb(235, 60, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 60, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 60, 104);  
box-shadow:4px 4px 4px 4px rgb(235, 60,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8934, 0.5078, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 60, 104) }
```

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

```
.background{ background-color: rgb(235, 60,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor