

Converting Colors

$Y_{xy}(23.8957, 0.5157, 0.2737)$

Have a look what the booklet for
Yxy(23.8957, 0.5157, 0.2737)
contains.

Yxy(23.8840, 0.5154, 0.2734)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8840, 0.5154, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	FF2673
RGB	255, 38, 115
RGB Percent	100%, 15%, 45%
CMY	0.0000, 0.8508, 0.5491
CMYK	0.00, 0.85, 0.55, 0.00
HSL	339°, 100%, 57%
HSV	339°, 85%, 100%
XYZ	45.0249, 23.8840, 18.4503
YIQ	111.6610, 104.6150, 69.9510

Conversions

Conversions Part 2

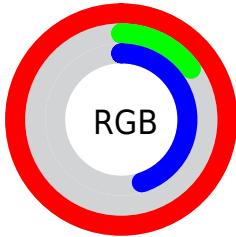
Format	Color
R_{YB}	255, 38, 115
Decimal	16721523
CIE _{Lab}	55.97, 79.55, 13.42
CIE _{LCh}	56, 80.671, 9.572
Yxy	23.8840, 0.5154, 0.2734
Android (android.graphics.Color)	4294911603 (0xFFFF2673)
YUV	111.6610, 1.6461, 125.7083
Hunter-Lab	48.8713, 78.9267, 11.8263

Details

The Yxy color **23.8840, 0.5154, 0.2734** 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 **75.1456, 0.2563, 0.4317**, and the grayscale version is **16.0782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4189, 0.4150, 0.2727**, and **11.4937, 0.5560, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **22.4269, 0.5468, 0.2812**, and if you desaturate by 10%, it is **26.5254, 0.4815, 0.2708**.

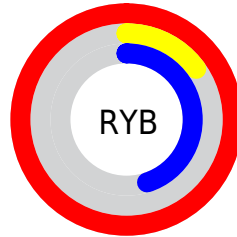
Distribution



Red (100%)

Green (15%)

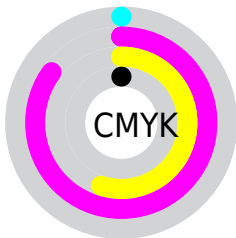
Blue (45%)



Red (100%)

Yellow (15%)

Blue (45%)

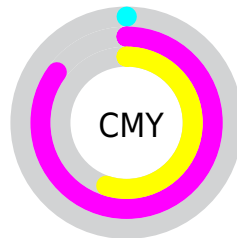


Cyan (0%)

Magenta (85%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8840, 0.5154, 0.2734 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 23.8840, 0.5154, 0.2734 by changing the saturation by 10% instead.


 23.8840, 0.5154,
0.2734


 23.8840, 0.5154,
0.2734


272.2335, 0.4039,
0.3074


 15.2476, 0.5459,
0.2628


 49.8408, 0.4727,
0.2873


 8.9933, 0.5862,
0.2479


 67.9301, 0.4573,
0.2921

 4.7368, 0.6410,
0.2260

 89.9390, 0.4445,
0.2959

 2.0937, 0.7170,
0.1923

 116.2521, 0.4338,
0.2990

 0.6611, 0.8589,
0.1411

 147.2537, 0.4246,
0.3017

 0.0000, 1.0000,
0.0000

183.3282, 0.4167,

 0.0000, 0.0000,

0.3039

0.0000

224.8600, 0.4099,
0.3058

■ 23.8840, 0.5154,
0.2734

■ 23.8840, 0.5154,
0.2734

■ 22.4269, 0.5468,
0.2812

■ 26.5254, 0.4815,
0.2708

■ 22.0041, 0.5609,
0.2863

■ 30.5462, 0.4481,
0.2729

■ 36.1102, 0.4171,
0.2787

■ 43.3568, 0.3899,
0.2868

■ 52.4097, 0.3667,
0.2961

63.3809, 0.3473,
0.3058

76.3732, 0.3314,
0.3154

91.4820, 0.3184,
0.3246

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



23.8840, 0.3778, 0.2066



23.8840, 0.5154, 0.2734



23.8840, 0.5743, 0.3493

Triad

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



23.8840, 0.5154, 0.2734



23.8840, 0.3272, 0.5927



23.8840, 0.1143, 0.1600

Complementary

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



23.8840, 0.5154, 0.2734



75.1456, 0.2563, 0.4317

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.



23.8840, 0.1064, 0.2191



23.8840, 0.5154, 0.2734



23.8840, 0.2148, 0.5224

Square

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



23.8840, 0.5154, 0.2734



23.8840, 0.4421, 0.5311



23.8840, 0.1360, 0.3482



23.8840, 0.1566, 0.1451

Rectangle

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



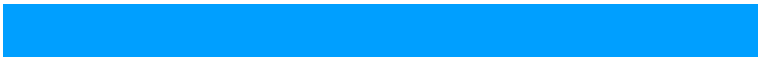
23.8840, 0.5154, 0.2734



23.8840, 0.5577, 0.4049



23.8840, 0.1360, 0.3482



23.8840, 0.1080, 0.1736

Sweetspot

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



23.8854, 0.5154, 0.2734



62.2904, 0.3490, 0.3049



17.7747, 0.2428, 0.1182



12.4850, 0.3554, 0.3016



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.



23.8854, 0.5154, 0.2734



22.0054, 0.5609, 0.2863



25.4103, 0.5935, 0.3460



18.0935, 0.3238, 0.3206



11.5240, 0.5565, 0.2840



1.1419, 0.5251, 0.2666

Inverse Universe

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



23.8854, 0.5154, 0.2734



22.0054, 0.5609, 0.2863



62.0619, 0.2170, 0.2924



18.0935, 0.3238, 0.3206



11.5240, 0.5565, 0.2840



1.1419, 0.5251, 0.2666

Previews

White Background



This preview shows how the Yxy color 23.8840, 0.5154, 0.2734 looks on a white background.

Color Contrast Check

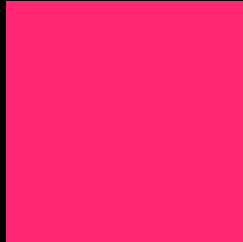
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8840, 0.5154, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

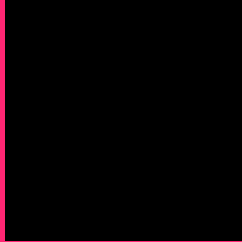
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8840, 0.5154, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 23.8840, 0.5154, 0.2734.



This preview shows how white text looks on a background with the Yxy color 23.8840, 0.5154, 0.2734.

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

23.8840, 0.5154, 0.2734

Protanopia

24.0154, 0.2809, 0.2826

Deuteranopia

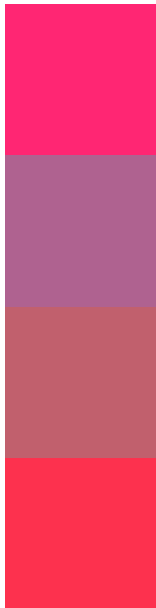
23.9895, 0.3758, 0.3680



Tritanopia

23.8192, 0.5846, 0.3292

Trichromacy



Original Color

23.8840, 0.5154, 0.2734

Protanomaly

19.8629, 0.3576, 0.2623

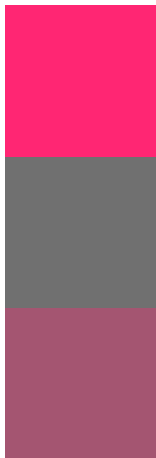
Deuteranomaly

20.8073, 0.4338, 0.3119

Tritanomaly

23.6293, 0.5647, 0.3104

Monochromacy



Original Color

23.8840, 0.5154, 0.2734

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.5818, 0.3944, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8840, 0.5154, 0.2734 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(255, 38, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 38, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 115) }
```

Border

The CSS property to change the border of an element to Yxy 23.8840, 0.5154, 0.2734 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(255, 38, 115) }
```

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

```
.border{ border-color:rgb(255, 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(255, 38, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8840, 0.5154, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 115) }
```

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

```
.background{ background-color: rgb(255, 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](#).

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