

Converting Colors

$Y_{xy}(23.8832, 0.5281, 0.2877)$

Have a look what the booklet for
Yxy(23.8832, 0.5281, 0.2877)
contains.

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Color

Yxy(23.8088, 0.5272, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	FC3068
RGB	252, 48, 104
RGB Percent	99%, 19%, 41%
CMY	0.0117, 0.8118, 0.5922
CMYK	0.00, 0.81, 0.59, 0.01
HSL	344°, 97%, 59%
HSV	344°, 81%, 99%
XYZ	43.7047, 23.8088, 15.3862
YIQ	115.3800, 103.6080, 60.6640

Conversions

Conversions Part 2

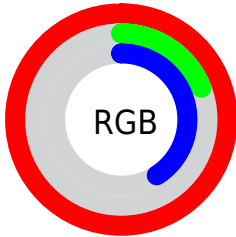
Format	Color
R_{YB}	252, 48, 104
Decimal	16527464
CIE Lab	55.90, 76.03, 19.79
CIE LCh	56, 78.559, 14.588
Yxy	23.8088, 0.5272, 0.2872
Android (android.graphics.Color)	4294717544 (0xFFFC3068)
YUV	115.3800, -5.6103, 119.8157
Hunter-Lab	48.7943, 74.4914, 15.4602

Details

The Yxy color **23.8088, 0.5272, 0.2872** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **74.2450, 0.2495, 0.4027**, and the grayscale version is **17.2569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8880, 0.4287, 0.2887**, and **10.9969, 0.5735, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **21.9698, 0.5627, 0.2935**, and if you desaturate by 10%, it is **26.8997, 0.4889, 0.2854**.

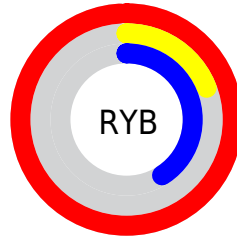
Distribution



Red (99%)

Green (19%)

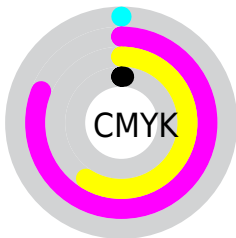
Blue (41%)



Red (99%)

Yellow (19%)

Blue (41%)

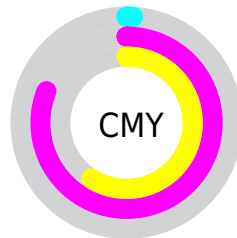


Cyan (0%)

Magenta (81%)

Yellow (59%)

Black (1%)



Cyan (1%)


Magenta (81%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8088, 0.5272, 0.2872 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 23.8088, 0.5272, 0.2872 by changing the saturation by 10% instead.


 23.8088, 0.5272,
0.2872


 23.8088, 0.5272,
0.2872


271.8524, 0.4090,
0.3155


 15.1918, 0.5594,
0.2774


 49.7180, 0.4820,
0.2995


 8.9541, 0.6015,
0.2631


 67.7791, 0.4656,
0.3035

 4.7113, 0.6581,
0.2413

 89.7569, 0.4521,
0.3066

 2.0789, 0.7392,
0.2076

 116.0360, 0.4407,
0.3091

 0.6527, 0.8522,
0.1478

 147.0007, 0.4310,
0.3112

 0.0000, 1.0000,
0.0000

183.0354, 0.4226,

 0.0000, 0.0000,

0.3129

0.0000

224.5245, 0.4153,
0.3143

■ 23.8088, 0.5272,
0.2872

■ 23.8088, 0.5272,
0.2872

■ 21.9698, 0.5627,
0.2935

■ 26.8997, 0.4889,
0.2854

■ 21.1305, 0.5896,
0.3022

■ 31.4160, 0.4516,
0.2876

■ 37.5081, 0.4177,
0.2926

■ 45.3058, 0.3884,
0.2992

■ 54.9253, 0.3638,
0.3066

66.4729, 0.3437,
0.3141

80.0462, 0.3272,
0.3215

95.7366, 0.3139,
0.3284

99.4385, 0.3109,
0.3290

Harmonies

Analogous

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



23.8088, 0.4009, 0.2189



23.8088, 0.5272, 0.2872



23.8088, 0.5686, 0.3636

Triad

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



23.8088, 0.5272, 0.2872



23.8088, 0.3092, 0.5855



23.8088, 0.1219, 0.1581

Complementary

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



23.8088, 0.5272, 0.2872



74.2450, 0.2495, 0.4027

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.



23.8088, 0.1088, 0.2080



23.8088, 0.5272, 0.2872



23.8088, 0.2014, 0.4911

Square

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



23.8088, 0.5272, 0.2872



23.8088, 0.4232, 0.5427



23.8088, 0.1315, 0.3219



23.8088, 0.1704, 0.1489

Rectangle

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



23.8088, 0.5272, 0.2872



23.8088, 0.5442, 0.4200



23.8088, 0.1315, 0.3219



23.8088, 0.1139, 0.1693

Sweetspot

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



23.8102, 0.5272, 0.2872



64.4377, 0.3494, 0.3118



20.6384, 0.2632, 0.1327



12.8850, 0.3566, 0.3092



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.



23.8102, 0.5272, 0.2872



21.9416, 0.5813, 0.2993



28.5989, 0.5630, 0.3616



17.3035, 0.3251, 0.3225



11.0266, 0.5854, 0.2999



1.0383, 0.5519, 0.2814

Inverse Universe

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



23.8102, 0.5272, 0.2872



21.9416, 0.5813, 0.2993



52.6759, 0.2128, 0.2714



17.3035, 0.3251, 0.3225



11.0266, 0.5854, 0.2999



1.0383, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 23.8088, 0.5272, 0.2872 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 23.8088, 0.5272, 0.2872 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 23.8088, 0.5272, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 23.8088, 0.5272, 0.2872.



This preview shows how white text looks on a background with the Yxy color 23.8088, 0.5272, 0.2872.

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

23.8088, 0.5272, 0.2872

Protanopia

23.8570, 0.3025, 0.3103

Deuteranopia

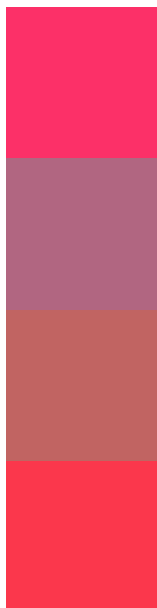
23.9822, 0.3912, 0.3850



Tritanopia

23.7782, 0.5787, 0.3291

Trichromacy



Original Color

23.8088, 0.5272, 0.2872

Protanomaly

20.4348, 0.3804, 0.2895

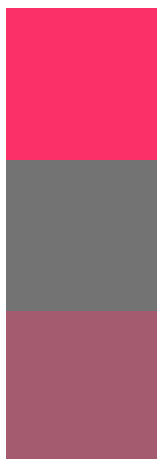
Deuteranomaly

21.3336, 0.4476, 0.3321

Tritanomaly

23.7634, 0.5630, 0.3151

Monochromacy



Original Color

23.8088, 0.5272, 0.2872

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6292, 0.3963, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8088, 0.5272, 0.2872 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(252, 48, 104)` looks like.

```
.text, #text, p{  
    color:rgb(252, 48, 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(252, 48, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 48, 104) }
```

Border

The CSS property to change the border of an element to Yxy 23.8088, 0.5272, 0.2872 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(252, 48, 104) }
```

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

```
.border{ border-color:rgb(252, 48, 104) }
```

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

Here you see how a box with a 4 pixel rgb(252, 48, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 48, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 48, 104);  
box-shadow:4px 4px 4px 4px rgb(252, 48,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8088, 0.5272, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 48, 104) }
```

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

```
.background{ background-color: rgb(252, 48,  
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](#).

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