

Converting Colors

$Y_{xy}(24.2646, 0.5572, 0.3072)$

Have a look what the booklet for
Yxy(24.2646, 0.5572, 0.3072)
contains.

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Color

Yxy(24.2677, 0.5570, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	FF3354
RGB	255, 51, 84
RGB Percent	100%, 20%, 33%
CMY	0.0000, 0.8001, 0.6706
CMYK	0.00, 0.80, 0.67, 0.00
HSL	350°, 100%, 60%
HSV	350°, 80%, 100%
XYZ	44.0297, 24.2677, 10.7505
YIQ	115.7580, 110.9910, 53.5110

Conversions

Conversions Part 2

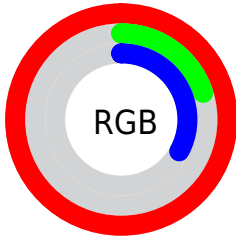
Format	Color
RYB	255, 51, 84
Decimal	16724820
CIELab	56.35, 75.00, 32.31
CIELCh	56, 81.666, 23.307
Yxy	24.2677, 0.5570, 0.3070
Android (android.graphics.Color)	4294914900 (0xFFFF3354)
YUV	115.7580, -15.6567, 122.1152
Hunter-Lab	49.2623, 73.3310, 21.5447

Details

The Yxy color **24.2677, 0.5570, 0.3070** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **77.4957, 0.2405, 0.3704**, and the grayscale version is **17.4047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6760, 0.4553, 0.3133**, and **11.1004, 0.6051, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **22.3304, 0.5939, 0.3122**, and if you desaturate by 10%, it is **27.5218, 0.5143, 0.3049**.

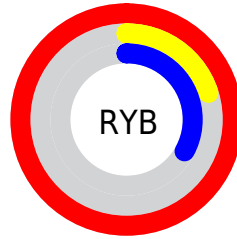
Distribution



Red (100%)

Green (20%)

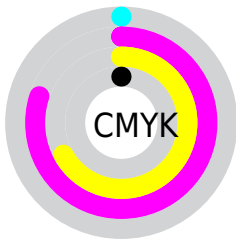
Blue (33%)



Red (100%)

Yellow (20%)

Blue (33%)

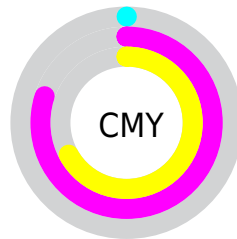


Cyan (0%)

Magenta (80%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2677, 0.5570, 0.3070 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 24.2677, 0.5570, 0.3070 by changing the saturation by 10% instead.


 24.2677, 0.5570,
0.3070


 24.2677, 0.5570,
0.3070

274.1711, 0.4238,
0.3286


 15.5323, 0.5917,
0.2975


 50.4667, 0.5070,
0.3178


 9.1938, 0.6357,
0.2828


 68.6991, 0.4886,
0.3209

 4.8678, 0.6919,
0.2592

 90.8660, 0.4732,
0.3232

 2.1699, 0.7756,
0.2244

 117.3517, 0.4602,
0.3249

 0.7035, 0.8447,
0.1553

 148.5407, 0.4491,
0.3262

 0.0000, 1.0000,
0.0000

184.8173, 0.4395,

 0.0000, 0.0000,

0.3272

0.0000

226.5660, 0.4312,
0.3280

■ 24.2677, 0.5570,
0.3070

■ 24.2677, 0.5570,
0.3070

■ 22.3304, 0.5939,
0.3122

■ 27.5218, 0.5143,
0.3049

■ 21.4220, 0.6204,
0.3191

■ 32.2830, 0.4712,
0.3055

■ 38.7029, 0.4318,
0.3081

■ 46.9165, 0.3978,
0.3119

■ 57.0447, 0.3694,
0.3162

69.1980, 0.3463,
0.3207

83.4784, 0.3277,
0.3250

99.9812, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.2677, 0.4465, 0.2348



24.2677, 0.5570, 0.3070



24.2677, 0.5683, 0.3866

Triad

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



24.2677, 0.5570, 0.3070



24.2677, 0.2734, 0.5833



24.2677, 0.1281, 0.1480

Complementary

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



24.2677, 0.5570, 0.3070



77.4957, 0.2405, 0.3704

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.



24.2677, 0.1050, 0.1841



24.2677, 0.5570, 0.3070



24.2677, 0.1717, 0.4458

Square

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



24.2677, 0.5570, 0.3070



24.2677, 0.3904, 0.5702



24.2677, 0.1160, 0.2786



24.2677, 0.1893, 0.1482

Rectangle

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



24.2677, 0.5570, 0.3070



24.2677, 0.5279, 0.4468



24.2677, 0.1160, 0.2786



24.2677, 0.1167, 0.1552

Sweetspot

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



24.2653, 0.5570, 0.3070



64.1002, 0.3550, 0.3189



24.9567, 0.2871, 0.1461



12.8057, 0.3633, 0.3173



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.



24.2653, 0.5570, 0.3070



21.7102, 0.6110, 0.3164



34.6881, 0.5358, 0.3838



18.0350, 0.3269, 0.3252



11.2075, 0.6172, 0.3174



1.1042, 0.5895, 0.3021

Inverse Universe

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



24.2653, 0.5570, 0.3070



21.7102, 0.6110, 0.3164



43.4599, 0.2047, 0.2392



18.0350, 0.3269, 0.3252



11.2075, 0.6172, 0.3174



1.1042, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 24.2677, 0.5570, 0.3070 looks on a white background.

Color Contrast Check

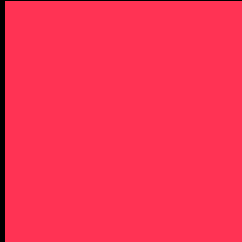
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2677, 0.5570, 0.3070 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 24.2677, 0.5570, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 24.2677, 0.5570, 0.3070.



This preview shows how white text looks on a background with the Yxy color 24.2677, 0.5570, 0.3070.

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

24.2677, 0.5570, 0.3070

Protanopia

24.3631, 0.3401, 0.3598

Deuteranopia

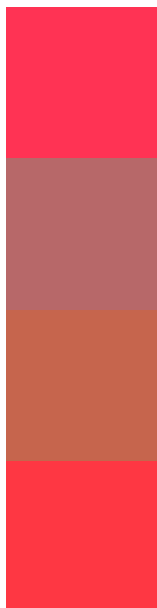
24.2885, 0.4217, 0.4134



Tritanopia

24.2925, 0.5848, 0.3298

Trichromacy



Original Color

24.2677, 0.5570, 0.3070

Protanomaly

20.9878, 0.4223, 0.3279

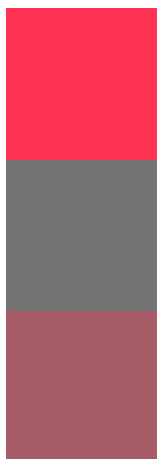
Deuteranomaly

21.8489, 0.4814, 0.3592

Tritanomaly

24.2085, 0.5754, 0.3221

Monochromacy



Original Color

24.2677, 0.5570, 0.3070

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8693, 0.4099, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2677, 0.5570, 0.3070 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, 51, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 84)  
}
```

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, 51, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 84) }
```

Border

The CSS property to change the border of an element to Yxy 24.2677, 0.5570, 0.3070 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, 51, 84) }
```

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

```
.border{ border-color:rgb(255, 51, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2677, 0.5570, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 84) }
```

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

```
.background{ background-color: rgb(255, 51,  
84) }
```

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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