

Converting Colors

$Y_{xy}(24.3063, 0.5525, 0.3042)$

Have a look what the booklet for
Yxy(24.3063, 0.5525, 0.3042)
contains.

Yxy(24.3158, 0.5529, 0.3045)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.3158, 0.5529, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	FF3357
RGB	255, 51, 87
RGB Percent	100%, 20%, 34%
CMY	0.0000, 0.8002, 0.6587
CMYK	0.00, 0.80, 0.66, 0.00
HSL	349°, 100%, 60%
HSV	349°, 80%, 100%
XYZ	44.1517, 24.3158, 11.3873
YIQ	116.1000, 110.0280, 54.4440

Conversions

Conversions Part 2

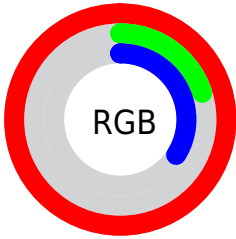
Format	Color
R_{YB}	255, 51, 87
Decimal	16724823
CIE _{Lab}	56.40, 75.15, 30.60
CIE _{LCh}	56, 81.146, 22.157
Yxy	24.3158, 0.5529, 0.3045
Android (android.graphics.Color)	4294914903 (0xFFFF3357)
YUV	116.1000, -14.3463, 121.8153
Hunter-Lab	49.3111, 73.5296, 20.8260

Details

The Yxy color **24.3158, 0.5529, 0.3045** 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 **77.3341, 0.2416, 0.3745**, and the grayscale version is **17.5093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7887, 0.4503, 0.3092**, and **11.1143, 0.6021, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **22.3687, 0.5899, 0.3099**, and if you desaturate by 10%, it is **27.5754, 0.5106, 0.3024**.

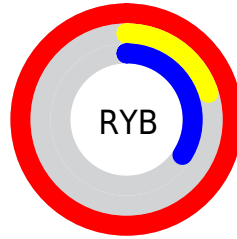
Distribution



Red (100%)

Green (20%)

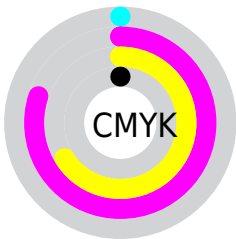
Blue (34%)



Red (100%)

Yellow (20%)

Blue (34%)

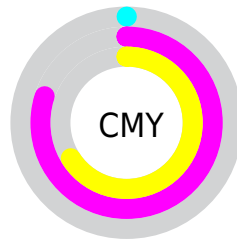


Cyan (0%)

Magenta (80%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3158, 0.5529, 0.3045 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 24.3158, 0.5529, 0.3045 by changing the saturation by 10% instead.


 24.3158, 0.5529,
0.3045


 24.3158, 0.5529,
0.3045


274.4132, 0.4218,
0.3268


 15.5680, 0.5873,
0.2950

 50.5451, 0.5035,
0.3154


 9.2190, 0.6311,
0.2805


 68.7953, 0.4854,
0.3186


 4.8843, 0.6875,
0.2574


 90.9819, 0.4703,
0.3210

 2.1795, 0.7757,
0.2243

 117.4892, 0.4575,
0.3228

 0.7088, 0.8445,
0.1555

 148.7016, 0.4466,
0.3242

 0.0000, 1.0000,
0.0000


185.0034, 0.4372,


 0.0000, 0.0000,


0.3253

0.0000

226.7792, 0.4290,
0.3261


 24.3158, 0.5529,
0.3045

 24.3158, 0.5529,
0.3045


 22.3687, 0.5899,
0.3099


 27.5754, 0.5106,
0.3024


 21.4500, 0.6171,
0.3173

 32.3399, 0.4683,
0.3032

 38.7597, 0.4296,
0.3061

 46.9692, 0.3962,
0.3103

 57.0891, 0.3684,
0.3150

 69.2295, 0.3458,
0.3199

 83.4922, 0.3275,
0.3246

99.9720, 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.



24.3158, 0.4401, 0.2328



24.3158, 0.5529, 0.3045



24.3158, 0.5683, 0.3835

Triad

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



24.3158, 0.5529, 0.3045



24.3158, 0.2784, 0.5836



24.3158, 0.1275, 0.1495

Complementary

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



24.3158, 0.5529, 0.3045



77.3341, 0.2416, 0.3745

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.



24.3158, 0.1057, 0.1873



24.3158, 0.5529, 0.3045



24.3158, 0.1758, 0.4519

Square

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



24.3158, 0.5529, 0.3045



24.3158, 0.3949, 0.5663



24.3158, 0.1182, 0.2843



24.3158, 0.1868, 0.1485

Rectangle

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



24.3158, 0.5529, 0.3045



24.3158, 0.5301, 0.4432



24.3158, 0.1182, 0.2843



24.3158, 0.1165, 0.1572

Sweetspot

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



24.3126, 0.5529, 0.3045



64.1439, 0.3542, 0.3180



24.4268, 0.2838, 0.1443



12.8159, 0.3624, 0.3162



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.



24.3126, 0.5529, 0.3045



21.7428, 0.6074, 0.3144



33.8911, 0.5393, 0.3805



18.0395, 0.3266, 0.3248



11.2231, 0.6138, 0.3155



1.1064, 0.5852, 0.2998

Inverse Universe

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



24.3126, 0.5529, 0.3045



21.7428, 0.6074, 0.3144



44.9176, 0.2059, 0.2440



18.0395, 0.3266, 0.3248



11.2231, 0.6138, 0.3155



1.1064, 0.5852, 0.2998

Previews

White Background



This preview shows how the Yxy color 24.3158, 0.5529, 0.3045 looks on a white background.

Color Contrast Check

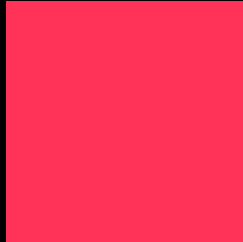
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3158, 0.5529, 0.3045 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 24.3158, 0.5529, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 24.3158, 0.5529, 0.3045.



This preview shows how white text looks on a background with the Yxy color 24.3158, 0.5529, 0.3045.

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

24.3158, 0.5529, 0.3045

Protanopia

24.3467, 0.3356, 0.3547

Deuteranopia

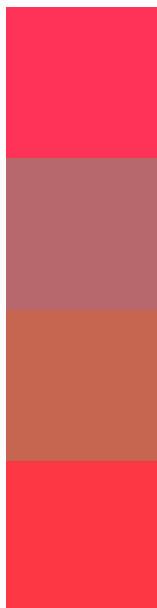
24.2216, 0.4174, 0.4098



Tritanopia

24.3026, 0.5838, 0.3292

Trichromacy



Original Color

24.3158, 0.5529, 0.3045

Protanomaly

20.9284, 0.4166, 0.3236

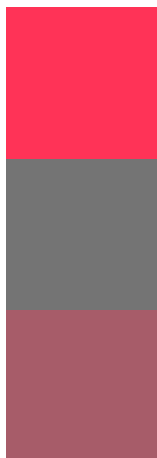
Deuteranomaly

21.8923, 0.4775, 0.3557

Tritanomaly

24.2329, 0.5731, 0.3207

Monochromacy



Original Color

24.3158, 0.5529, 0.3045

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8897, 0.4083, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3158, 0.5529, 0.3045 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 87) }
```

Border

The CSS property to change the border of an element to Yxy 24.3158, 0.5529, 0.3045 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, 87) }
```

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

```
.border{ border-color:rgb(255, 51, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3158, 0.5529, 0.3045 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, 87) }
```

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

```
.background{ background-color: rgb(255, 51,  
87) }
```

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