

Converting Colors

$Y_{xy}(23.8689, 0.5557, 0.3021)$

Have a look what the booklet for
Yxy(23.8689, 0.5557, 0.3021)
contains.

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Color

Yxy(23.9021, 0.5551, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	FF2E57
RGB	255, 46, 87
RGB Percent	100%, 18%, 34%
CMY	0.0000, 0.8194, 0.6589
CMYK	0.00, 0.82, 0.66, 0.00
HSL	348°, 100%, 59%
HSV	348°, 82%, 100%
XYZ	43.9340, 23.9021, 11.3100
YIQ	113.1650, 111.4030, 57.0590

Conversions

Conversions Part 2

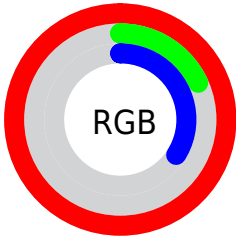
Format	Color
R_{YB}	255, 46, 87
Decimal	16723543
CIE _{Lab}	55.99, 76.30, 30.11
CIE _{LCh}	56, 82.021, 21.533
Yxy	23.9021, 0.5551, 0.3020
Android (android.graphics.Color)	4294913623 (0xFFFF2E57)
YUV	113.1650, -12.8993, 124.3893
Hunter-Lab	48.8898, 74.8489, 20.5069

Details

The Yxy color **23.9021, 0.5551, 0.3020** 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 **76.9536, 0.2428, 0.3811**, and the grayscale version is **16.5859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1008, 0.4518, 0.3063**, and **11.1143, 0.6021, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **22.1769, 0.5907, 0.3083**, and if you desaturate by 10%, it is **26.9061, 0.5139, 0.2993**.

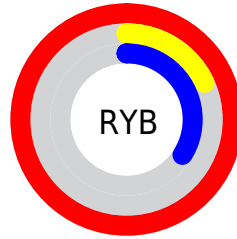
Distribution



Red (100%)

Green (18%)

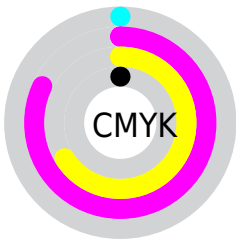
Blue (34%)



Red (100%)

Yellow (18%)

Blue (34%)

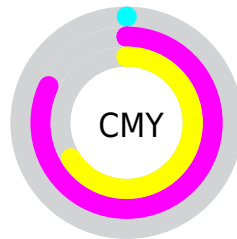


Cyan (0%)

Magenta (82%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9021, 0.5551, 0.3020 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 23.9021, 0.5551, 0.3020 by changing the saturation by 10% instead.


 23.9021, 0.5551,
0.3020

 23.9021, 0.5551,
0.3020


272.3252, 0.4225,
0.3257


 15.2610, 0.5899,
0.2922


 49.8704, 0.5051,
0.3134

 9.0028, 0.6345,
0.2771


 67.9664, 0.4867,
0.3168

 4.7430, 0.6917,
0.2533

 89.9828, 0.4715,
0.3194

 2.0973, 0.7808,
0.2192

 116.3041, 0.4586,
0.3213

 0.6631, 0.8517,
0.1483

 147.3145, 0.4476,
0.3228

 0.0000, 1.0000,
0.0000

183.3986, 0.4381,

 0.0000, 0.0000,

0.3240

0.0000

224.9407, 0.4298,
0.3249

■ 23.9021, 0.5551,
0.3020

■ 23.9021, 0.5551,
0.3020

■ 22.1769, 0.5907,
0.3083

■ 26.9061, 0.5139,
0.2993

■ 21.4879, 0.6126,
0.3148


■ 31.3741, 0.4721,
0.2998


■ 37.4649, 0.4336,
0.3028

■ 45.3159, 0.4000,
0.3073

■ 55.0495, 0.3719,
0.3125

 66.7773, 0.3489,
0.3179

 80.6021, 0.3303,
0.3231

 96.6195, 0.3153,
0.3281

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



23.9021, 0.4389, 0.2301



23.9021, 0.5551, 0.3020



23.9021, 0.5721, 0.3812

Triad

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



23.9021, 0.5551, 0.3020



23.9021, 0.2794, 0.5895



23.9021, 0.1247, 0.1478

Complementary

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



23.9021, 0.5551, 0.3020



76.9536, 0.2428, 0.3811

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.



23.9021, 0.1035, 0.1866



23.9021, 0.5551, 0.3020



23.9021, 0.1753, 0.4579

Square

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



23.9021, 0.5551, 0.3020



23.9021, 0.3971, 0.5675



23.9021, 0.1166, 0.2860



23.9021, 0.1835, 0.1462

Rectangle

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



23.9021, 0.5551, 0.3020



23.9021, 0.5338, 0.4412



23.9021, 0.1166, 0.2860



23.9021, 0.1139, 0.1558

Sweetspot

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



23.9036, 0.5551, 0.3020



62.9778, 0.3555, 0.3162



23.3533, 0.2794, 0.1402



12.5952, 0.3635, 0.3143



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.



23.9036, 0.5551, 0.3020



21.6376, 0.6076, 0.3133



32.3355, 0.5494, 0.3766



18.0452, 0.3263, 0.3244



11.2453, 0.6091, 0.3129



1.1094, 0.5795, 0.2966

Inverse Universe

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



23.9036, 0.5551, 0.3020



21.6376, 0.6076, 0.3133



45.6356, 0.2058, 0.2465



18.0452, 0.3263, 0.3244



11.2453, 0.6091, 0.3129



1.1094, 0.5795, 0.2966

Previews

White Background



This preview shows how the Yxy color 23.9021, 0.5551, 0.3020 looks on a white background.

Color Contrast Check

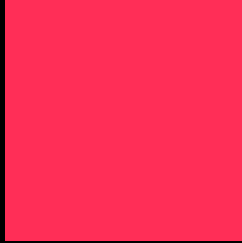
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9021, 0.5551, 0.3020 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 23.9021, 0.5551, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 23.9021, 0.5551, 0.3020.



This preview shows how white text looks on a background with the Yxy color 23.9021, 0.5551, 0.3020.

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

23.9021, 0.5551, 0.3020

Protanopia

24.0308, 0.3325, 0.3496

Deuteranopia

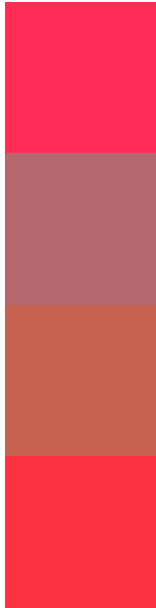
23.8527, 0.4171, 0.4088



Tritanopia

23.9755, 0.5896, 0.3298

Trichromacy



Original Color

23.9021, 0.5551, 0.3020

Protanomaly

20.5520, 0.4163, 0.3192

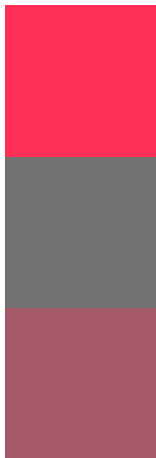
Deuteranomaly

21.1849, 0.4792, 0.3520

Tritanomaly

23.8318, 0.5788, 0.3205

Monochromacy



Original Color

23.9021, 0.5551, 0.3020

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.1436, 0.4088, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9021, 0.5551, 0.3020 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, 46, 87)` looks like.

```
.text, #text, p{  
  color:rgb(255, 46, 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, 46, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 87) }
```

Border

The CSS property to change the border of an element to Yxy 23.9021, 0.5551, 0.3020 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, 46, 87) }
```

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

```
.border{ border-color:rgb(255, 46, 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, 46, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9021, 0.5551, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 87) }
```

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

```
.background{ background-color: rgb(255, 46,  
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](#).

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