

Converting Colors

$Y_{xy}(22.8270, 0.5550, 0.2909)$

Have a look what the booklet for
Yxy(22.8270, 0.5550, 0.2909)
contains.

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Color

Yxy(22.7992, 0.5556, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	FF1B5B
RGB	255, 27, 91
RGB Percent	100%, 11%, 36%
CMY	0.0001, 0.8937, 0.6431
CMYK	0.00, 0.89, 0.64, 0.00
HSL	343°, 100%, 55%
HSV	343°, 89%, 100%
XYZ	43.5151, 22.7992, 12.0066
YIQ	102.4680, 115.3440, 68.2400

Conversions

Conversions Part 2

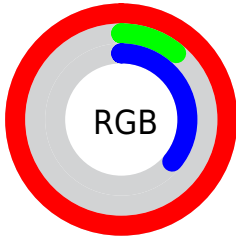
Format	Color
R_{YB}	255, 27, 91
Decimal	16718683
CIE Lab	54.86, 79.91, 26.27
CIE LCh	55, 84.120, 18.200
Yxy	22.7992, 0.5556, 0.2911
Android (android.graphics.Color)	4294908763 (0xFFFF1B5B)
YUV	102.4680, -5.6537, 133.7706
Hunter-Lab	47.7485, 79.1141, 18.5152

Details

The Yxy color **22.7992, 0.5556, 0.2911** 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 **75.5066, 0.2498, 0.4134**, and the grayscale version is **13.4250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2862, 0.4509, 0.2937**, and **11.1444, 0.5959, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **21.7677, 0.5861, 0.3006**, and if you desaturate by 10%, it is **24.8788, 0.5195, 0.2855**.

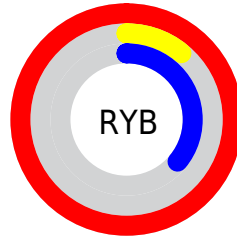
Distribution



Red (100%)

Green (11%)

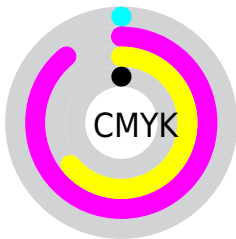
Blue (36%)



Red (100%)

Yellow (11%)

Blue (36%)

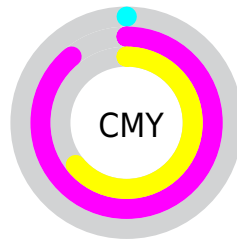


Cyan (0%)

Magenta (89%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7992, 0.5556, 0.2911 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 22.7992, 0.5556, 0.2911 by changing the saturation by 10% instead.


 22.7992, 0.5556,
0.2911

 22.7992, 0.5556,
0.2911


266.6920, 0.4217,
0.3199


 14.4453, 0.5913,
0.2802

 48.0634, 0.5048,
0.3042


 8.4310, 0.6373,
0.2639


 65.7425, 0.4862,
0.3084


 4.3720, 0.6971,
0.2388

 87.2988, 0.4708,
0.3115

 1.8837, 0.7958,
0.2042

 113.1167, 0.4579,
0.3140

 0.5386, 0.8737,
0.1263

 143.5805, 0.4468,
0.3159

 0.0000, 1.0000,
0.0000

179.0748, 0.4373,

 0.0000, 0.0000,

0.3175

0.0000

219.9838, 0.4290,
0.3188

■ 22.7992, 0.5556,
0.2911

■ 22.7992, 0.5556,
0.2911

■ 21.7677, 0.5861,
0.3006

■ 24.8788, 0.5195,
0.2855

■ 21.7174, 0.5878,
0.3012

■ 28.2711, 0.4815,
0.2845

■ 33.1547, 0.4449,
0.2873

■ 39.6790, 0.4119,
0.2927

■ 47.9751, 0.3836,
0.2997

■ 58.1608, 0.3600,
0.3073

■ 70.3435, 0.3406,
0.3150

■ 84.6228, 0.3248,
0.3225

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



22.7992, 0.4264, 0.2192



22.7992, 0.5556, 0.2911



22.7992, 0.5833, 0.3702

Triad

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



22.7992, 0.5556, 0.2911



22.7992, 0.2892, 0.6062



22.7992, 0.1157, 0.1448

Complementary

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



22.7992, 0.5556, 0.2911



75.5066, 0.2498, 0.4134

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.



22.7992, 0.0978, 0.1890



22.7992, 0.5556, 0.2911



22.7992, 0.1797, 0.4852

Square

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



22.7992, 0.5556, 0.2911



22.7992, 0.4098, 0.5647



22.7992, 0.1147, 0.2998



22.7992, 0.1704, 0.1400

Rectangle

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



22.7992, 0.5556, 0.2911



22.7992, 0.5477, 0.4303



22.7992, 0.1147, 0.2998



22.7992, 0.1061, 0.1542

Sweetspot

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



22.8006, 0.5556, 0.2911



60.8709, 0.3551, 0.3092



19.0087, 0.2567, 0.1227



12.2029, 0.3623, 0.3065



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.



22.8006, 0.5556, 0.2911



21.7214, 0.5878, 0.3012



26.5716, 0.5915, 0.3568



18.0708, 0.3250, 0.3224



11.3717, 0.5837, 0.2989



1.1249, 0.5517, 0.2813

Inverse Universe

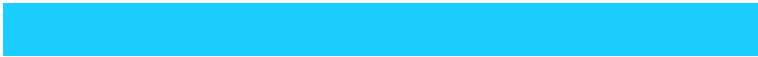
The Inverse Universe completely reimagines the original color for something new.



22.8006, 0.5556, 0.2911



21.7214, 0.5878, 0.3012



51.4074, 0.2084, 0.2646



18.0708, 0.3250, 0.3224



11.3717, 0.5837, 0.2989



1.1249, 0.5517, 0.2813

Previews

White Background



This preview shows how the Yxy color 22.7992, 0.5556, 0.2911 looks on a white background.

Color Contrast Check

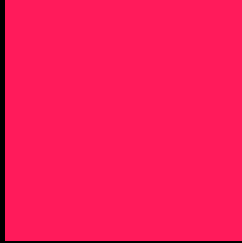
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7992, 0.5556, 0.2911 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 22.7992, 0.5556, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 22.7992, 0.5556, 0.2911.



This preview shows how white text looks on a background with the Yxy color 22.7992, 0.5556, 0.2911.

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

22.7992, 0.5556, 0.2911

Protanopia

22.9396, 0.3162, 0.3290

Deuteranopia

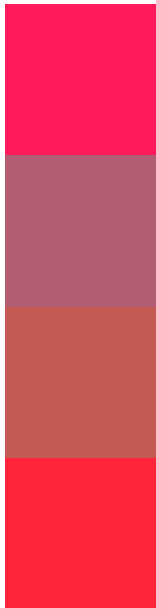
22.9745, 0.4094, 0.4019



Tritanopia

22.7705, 0.6069, 0.3308

Trichromacy



Original Color

22.7992, 0.5556, 0.2911

Protanomaly

18.5546, 0.4052, 0.2957

Deuteranomaly

19.5545, 0.4785, 0.3371

Tritanomaly

22.7097, 0.5934, 0.3184

Monochromacy



Original Color

22.7992, 0.5556, 0.2911

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2021, 0.4153, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7992, 0.5556, 0.2911 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, 27, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 91)  
}
```

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, 27, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 91) }
```

Border

The CSS property to change the border of an element to Yxy 22.7992, 0.5556, 0.2911 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, 27, 91) }
```

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

```
.border{ border-color:rgb(255, 27, 91) }
```

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

Here you see how a box with a 4 pixel rgb(255, 27, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7992, 0.5556, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 91) }
```

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

```
.background{ background-color: rgb(255, 27,  
91) }
```

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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