

Converting Colors

$Yxy(30.0337, 0.5773, 0.3034)$

Have a look what the booklet for
Yxy(30.0337, 0.5773, 0.3034)
contains.

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Color

Yxy(22.9811, 0.5601, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	FF2057
RGB	255, 32, 87
RGB Percent	100%, 13%, 34%
CMY	0.0001, 0.8741, 0.6588
CMYK	0.00, 0.87, 0.66, 0.00
HSL	345°, 100%, 56%
HSV	345°, 87%, 100%
XYZ	43.4708, 22.9811, 11.1607
YIQ	104.9470, 115.2530, 64.3810

Conversions

Conversions Part 2

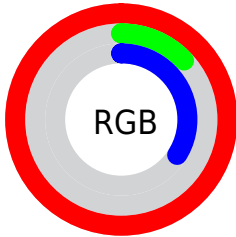
Format	Color
R_{YB}	255, 32, 87
Decimal	16719959
CIE _{Lab}	55.05, 78.97, 28.91
CIE _{LCh}	55, 84.094, 20.104
Yxy	22.9811, 0.5601, 0.2961
Android (android.graphics.Color)	4294910039 (0xFFFF2057)
YUV	104.9470, -8.8479, 131.5965
Hunter-Lab	47.9386, 77.9716, 19.7536

Details

The Yxy color **22.9811, 0.5601, 0.2961** 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 **75.9888, 0.2467, 0.4006**, and the grayscale version is **14.1276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5530, 0.4566, 0.3007**, and **11.1216, 0.6006, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **21.8139, 0.5916, 0.3048**, and if you desaturate by 10%, it is **25.2870, 0.5223, 0.2913**.

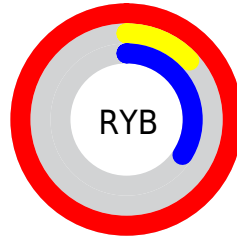
Distribution



Red (100%)

Green (13%)

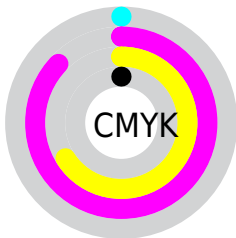
Blue (34%)



Red (100%)

Yellow (13%)

Blue (34%)

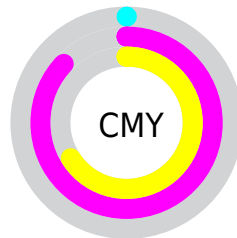


Cyan (0%)

Magenta (87%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9811, 0.5601, 0.2961 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 22.9811, 0.5601, 0.2961 by changing the saturation by 10% instead.


 22.9811, 0.5601,
0.2961


 22.9811, 0.5601,
0.2961


267.6279, 0.4241,
0.3230


 14.5796, 0.5960,
0.2854


 48.3623, 0.5087,
0.3088


 8.5248, 0.6420,
0.2692


 66.1107, 0.4898,
0.3126

 4.4326, 0.7012,
0.2439

 87.7436, 0.4742,
0.3155

 1.9184, 0.7926,
0.2074

 113.6452, 0.4610,
0.3178

 0.5594, 0.8692,
0.1308

 144.2001, 0.4497,
0.3195

 0.0000, 1.0000,
0.0000

179.7926, 0.4400,

 0.0000, 0.0000,

0.3209

0.0000

220.8070, 0.4315,
0.3221

■ 22.9811, 0.5601,
0.2961

■ 22.9811, 0.5601,
0.2961

■ 21.8139, 0.5916,
0.3048

■ 25.2870, 0.5223,
0.2913

■ 21.6125, 0.5987,
0.3072

■ 28.9493, 0.4825,
0.2906

■ 34.1409, 0.4445,
0.2933

■ 41.0079, 0.4107,
0.2983

■ 49.6790, 0.3819,
0.3046

60.2704, 0.3579,
0.3113

72.8884, 0.3383,
0.3180

87.6317, 0.3225,
0.3245

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



22.9811, 0.4360, 0.2237



22.9811, 0.5601, 0.2961



22.9811, 0.5809, 0.3757

Triad

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



22.9811, 0.5601, 0.2961



22.9811, 0.2819, 0.6030



22.9811, 0.1183, 0.1439

Complementary

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



22.9811, 0.5601, 0.2961



75.9888, 0.2467, 0.4006

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.



22.9811, 0.0983, 0.1850



22.9811, 0.5601, 0.2961



22.9811, 0.1744, 0.4726

Square

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



22.9811, 0.5601, 0.2961



22.9811, 0.4023, 0.5699



22.9811, 0.1128, 0.2903



22.9811, 0.1757, 0.1411

Rectangle

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



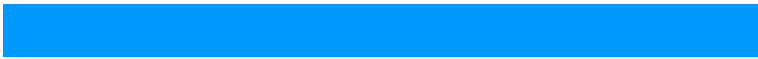
22.9811, 0.5601, 0.2961



22.9811, 0.5424, 0.4365



22.9811, 0.1128, 0.2903



22.9811, 0.1080, 0.1525

Sweetspot

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



22.9825, 0.5601, 0.2961



61.9355, 0.3549, 0.3122



20.4348, 0.2654, 0.1286



12.4022, 0.3625, 0.3099



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.



22.9825, 0.5601, 0.2961



21.6167, 0.5987, 0.3072



28.3110, 0.5784, 0.3641



18.0604, 0.3255, 0.3232



11.3149, 0.5947, 0.3050



1.1181, 0.5633, 0.2877

Inverse Universe

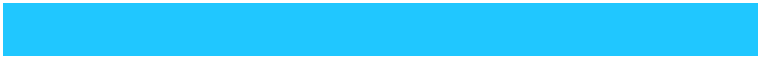
The Inverse Universe completely reimagines the original color for something new.



22.9825, 0.5601, 0.2961



21.6167, 0.5987, 0.3072



48.4937, 0.2065, 0.2559



18.0604, 0.3255, 0.3232



11.3149, 0.5947, 0.3050



1.1181, 0.5633, 0.2877

Previews

White Background



This preview shows how the Yxy color 22.9811, 0.5601, 0.2961 looks on a white background.

Color Contrast Check

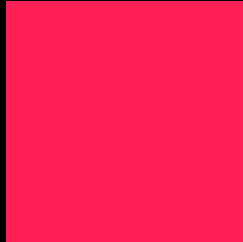
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9811, 0.5601, 0.2961 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 22.9811, 0.5601, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 22.9811, 0.5601, 0.2961.

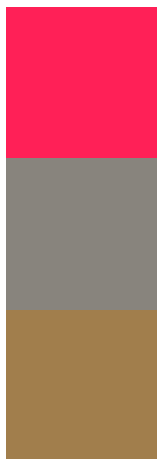


This preview shows how white text looks on a background with the Yxy color 22.9811, 0.5601, 0.2961.

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

22.9811, 0.5601, 0.2961

Protanopia

23.2174, 0.3249, 0.3412

Deuteranopia

23.0206, 0.4151, 0.4072



Tritanopia

23.1220, 0.6045, 0.3308

Trichromacy



Original Color

22.9811, 0.5601, 0.2961



Protanomaly

19.0971, 0.4128, 0.3075



Deuteranomaly

19.8356, 0.4826, 0.3445



Tritanomaly

22.9042, 0.5921, 0.3197

Monochromacy



Original Color

22.9811, 0.5601, 0.2961



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.8042, 0.4184, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9811, 0.5601, 0.2961 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, 32, 87)` looks like.

```
.text, #text, p{  
  color:rgb(255, 32, 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, 32, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 32, 87) }
```

Border

The CSS property to change the border of an element to Yxy 22.9811, 0.5601, 0.2961 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, 32, 87) }
```

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

```
.border{ border-color:rgb(255, 32, 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, 32, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 32, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 32, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 32,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9811, 0.5601, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 32, 87) }
```

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

```
.background{ background-color: rgb(255, 32,  
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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