

Converting Colors

$Y_{xy}(19.9528, 0.5563, 0.2926)$

Have a look what the booklet for
Yxy(19.9528, 0.5563, 0.2926)
contains.

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Color

Yxy(19.9492, 0.5568, 0.2929)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F01B54 |
| RGB | 240, 27, 84 |
| RGB Percent | 94%, 11%, 33% |
| CMY | 0.0589, 0.8938, 0.6706 |
| CMYK | 0.00, 0.89, 0.65, 0.06 |
| HSL | 344°, 88%, 52% |
| HSV | 344°, 89%, 94% |
| XYZ | 37.9232, 19.9492, 10.2368 |
| YIQ | 97.1850, 108.6510, 62.8830 |

Conversions

Conversions Part 2

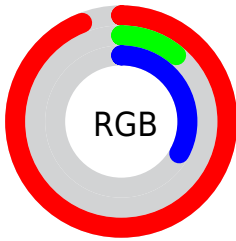
| Format | Color |
|-------------------------------------|--|
| RYB | 240, 27, 84 |
| Decimal | 15735636 |
| CIELab | 51.78, 75.94, 25.92 |
| CIELCh | 52, 80.242, 18.846 |
| Yxy | 19.9492, 0.5568, 0.2929 |
| Android (android.graphics.Color) | 4293925716 (0xFFFF01B54) |
| YUV | 97.1850, -6.5002, 125.2488 |
| Hunter-Lab | 44.6645, 73.3958, 17.6763 |

Details

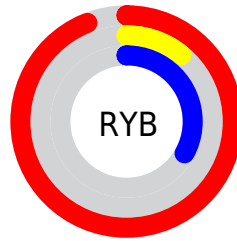
The Yxy color **19.9492, 0.5568, 0.2929** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **65.9678, 0.2486, 0.4082**, and the grayscale version is **12.0099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4562, 0.4630, 0.2992**, and **9.3833, 0.5991, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **18.9878, 0.5878, 0.3020**, and if you desaturate by 10%, it is **21.8487, 0.5201, 0.2877**.

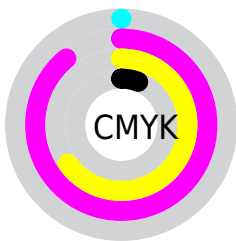
Distribution



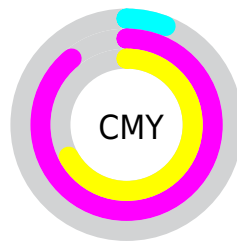
- Red (94%)
- Green (11%)
- Blue (33%)



- Red (94%)
- Yellow (11%)
- Blue (33%)



- Cyan (0%)
- Magenta (89%)
- Yellow (65%)
- Black (6%)




- Cyan (6%)
- Magenta (89%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9492, 0.5568, 0.2929 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 19.9492, 0.5568, 0.2929 by changing the saturation by 10% instead.


 19.9492, 0.5568,
0.2929


 19.9492, 0.5568,
0.2929


251.6400, 0.4196,
0.3213


 12.3581, 0.5944,
0.2815


 43.3320, 0.5039,
0.3063

 6.9881, 0.6435,
0.2640


 59.8925, 0.4849,
0.3103


 3.4546, 0.7081,
0.2363

 80.2116, 0.4691,
0.3134

 1.3734, 0.8058,
0.1942

 104.6737, 0.4560,
0.3158

 0.1970, 0.9320,
0.0680

 133.6632, 0.4448,
0.3176

 0.0000, 1.0000,
0.0000

167.5645, 0.4352,

 0.0000, 0.0000,

0.3191

0.0000

206.7619, 0.4269,
0.3203

■ 19.9492, 0.5568,
0.2929

■ 19.9492, 0.5568,
0.2929

■ 18.9878, 0.5878,
0.3020

■ 21.8487, 0.5201,
0.2877

■ 18.8943, 0.5914,
0.3031

■ 24.9021, 0.4815,
0.2869

■ 29.2610, 0.4445,
0.2897

■ 35.0530, 0.4113,
0.2950

■ 42.3904, 0.3829,
0.3016

51.3742, 0.3592,
0.3089

62.0967, 0.3398,
0.3162

74.6435, 0.3240,
0.3232

89.0945, 0.3112,
0.3298

Harmonies

Analogous

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



19.9492, 0.4295, 0.2209



19.9492, 0.5568, 0.2929



19.9492, 0.5822, 0.3721

Triad

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



19.9492, 0.5568, 0.2929



19.9492, 0.2868, 0.6047



19.9492, 0.1167, 0.1447

Complementary

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



19.9492, 0.5568, 0.2929



65.9678, 0.2486, 0.4082

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.



19.9492, 0.0982, 0.1878



19.9492, 0.5568, 0.2929



19.9492, 0.1781, 0.4806

Square

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



19.9492, 0.5568, 0.2929



19.9492, 0.4073, 0.5662



19.9492, 0.1143, 0.2966



19.9492, 0.1724, 0.1405

Rectangle

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



19.9492, 0.5568, 0.2929



19.9492, 0.5457, 0.4324



19.9492, 0.1143, 0.2966



19.9492, 0.1069, 0.1538

Sweetspot

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



19.9504, 0.5568, 0.2929



60.8272, 0.3558, 0.3101



16.7413, 0.2574, 0.1236



12.1928, 0.3632, 0.3076



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.



19.9504, 0.5568, 0.2929



21.6792, 0.5921, 0.3036



23.3957, 0.5886, 0.3575



15.8282, 0.3251, 0.3227



10.3634, 0.5873, 0.3009



0.8781, 0.5502, 0.2804

Inverse Universe

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



19.9504, 0.5568, 0.2929



21.6792, 0.5921, 0.3036



45.0446, 0.2088, 0.2654



15.8282, 0.3251, 0.3227



10.3634, 0.5873, 0.3009



0.8781, 0.5502, 0.2804

Previews

White Background



This preview shows how the Yxy color 19.9492, 0.5568, 0.2929 looks on a white background.

Color Contrast Check

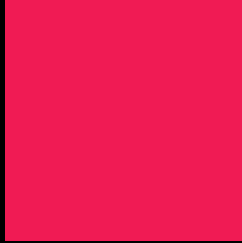
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9492, 0.5568, 0.2929 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 19.9492, 0.5568, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 19.9492, 0.5568, 0.2929.



This preview shows how white text looks on a background with the Yxy color 19.9492, 0.5568, 0.2929.

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

19.9492, 0.5568, 0.2929

Protanopia

20.3078, 0.3198, 0.3345

Deuteranopia

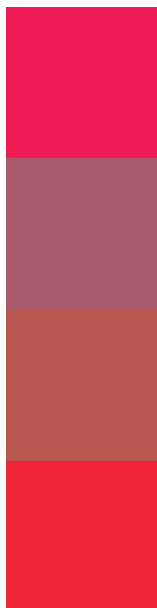
20.2674, 0.4105, 0.4040



Tritanopia

20.0831, 0.6056, 0.3309

Trichromacy



Original Color

19.9492, 0.5568, 0.2929

Protanomaly

16.5523, 0.4064, 0.3000

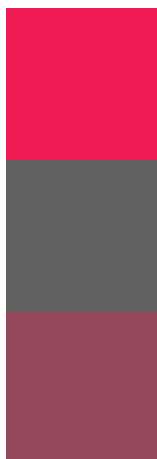
Deuteranomaly

17.2729, 0.4773, 0.3402

Tritanomaly

19.8883, 0.5924, 0.3192

Monochromacy



Original Color

19.9492, 0.5568, 0.2929

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.7970, 0.4164, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9492, 0.5568, 0.2929 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(240, 27, 84)` looks like.

```
.text, #text, p{  
    color:rgb(240, 27, 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(240, 27, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 27, 84) }
```

Border

The CSS property to change the border of an element to Yxy 19.9492, 0.5568, 0.2929 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(240, 27, 84) }
```

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

```
.border{ border-color:rgb(240, 27, 84) }
```

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

Here you see how a box with a 4 pixel rgb(240, 27, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 27, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 27, 84);  
box-shadow:4px 4px 4px 4px rgb(240, 27,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9492, 0.5568, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 27, 84) }
```

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

```
.background{ background-color: rgb(240, 27,  
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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