

Converting Colors

$Y_{xy}(22.2235, 0.5770, 0.2995)$

Have a look what the booklet for
Yxy(22.2235, 0.5770, 0.2995)
contains.

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Color

Yxy(22.2427, 0.5763, 0.2993)

Conversions

Conversions Part 1

Format	Color
Hex	FF124E
RGB	255, 18, 78
RGB Percent	100%, 7%, 31%
CMY	0.0001, 0.9289, 0.6941
CMYK	0.00, 0.93, 0.69, 0.00
HSL	345°, 100%, 54%
HSV	345°, 93%, 100%
XYZ	42.8282, 22.2427, 9.2449
YIQ	95.7030, 121.9920, 68.9040

Conversions

Conversions Part 2

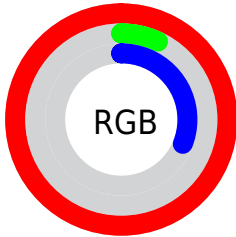
Format	Color
R_{YB}	255, 18, 78
Decimal	16716366
CIE _{Lab}	54.28, 80.38, 33.27
CIE _{LCh}	54, 86.993, 22.488
Yxy	22.2427, 0.5763, 0.2993
Android (android.graphics.Color)	4294906446 (0xFFFF124E)
YUV	95.7030, -8.7276, 139.7035
Hunter-Lab	47.1622, 79.5628, 21.3913

Details

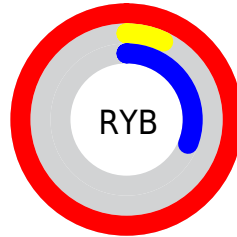
The Yxy color **22.2427, 0.5763, 0.2993** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **75.5858, 0.2475, 0.4079**, and the grayscale version is **11.6378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2950, 0.4709, 0.3052**, and **10.9402, 0.6116, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **21.6330, 0.5967, 0.3061**, and if you desaturate by 10%, it is **23.8946, 0.5415, 0.2922**.

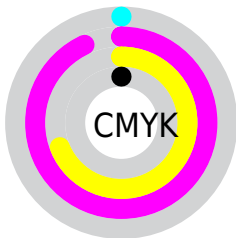
Distribution



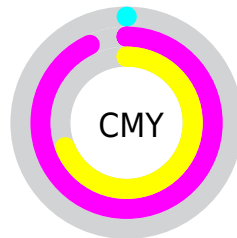
- Red (100%)
- Green (7%)
- Blue (31%)



- Red (100%)
- Yellow (7%)
- Blue (31%)



- Cyan (0%)
- Magenta (93%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2427, 0.5763, 0.2993 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 22.2427, 0.5763, 0.2993 by changing the saturation by 10% instead.


 22.2427, 0.5763,
0.2993


 22.2427, 0.5763,
0.2993


263.8111, 0.4317,
0.3264


 14.0353, 0.6138,
0.2877


 47.1468, 0.5219,
0.3126

 8.1452, 0.6612,
0.2700


 64.6123, 0.5019,
0.3166


 4.1880, 0.7224,
0.2428

 85.9327, 0.4852,
0.3195

 1.7793, 0.8004,
0.1996

 111.4923, 0.4711,
0.3217

 0.4742, 0.8834,
0.1166

 141.6756, 0.4591,
0.3233

 0.0000, 1.0000,
0.0000

176.8669, 0.4487,

 0.0000, 0.0000,

0.3246

0.0000

217.4506, 0.4396,
0.3256

■ 22.2427, 0.5763,
0.2993

■ 22.2427, 0.5763,
0.2993

■ 21.6330, 0.5967,
0.3061

■ 23.8946, 0.5415,
0.2922

■ 26.7916, 0.5025,
0.2893

■ 31.1266, 0.4635,
0.2904

■ 37.0581, 0.4276,
0.2944

■ 44.7235, 0.3963,
0.3003

 54.2452, 0.3700,
0.3070

 65.7348, 0.3483,
0.3140

 79.2946, 0.3306,
0.3208

 95.0202, 0.3163,
0.3272

Harmonies

Analogous

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



22.2427, 0.4539, 0.2252



22.2427, 0.5763, 0.2993



22.2427, 0.5865, 0.3805

Triad

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



22.2427, 0.5763, 0.2993



22.2427, 0.2682, 0.6128



22.2427, 0.1159, 0.1368

Complementary

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



22.2427, 0.5763, 0.2993



75.5858, 0.2475, 0.4079

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.



22.2427, 0.0930, 0.1741



22.2427, 0.5763, 0.2993



22.2427, 0.1612, 0.4634

Square

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



22.2427, 0.5763, 0.2993



22.2427, 0.3916, 0.5841



22.2427, 0.1038, 0.2754



22.2427, 0.1778, 0.1368

Rectangle

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



22.2427, 0.5763, 0.2993



22.2427, 0.5411, 0.4440



22.2427, 0.1038, 0.2754



22.2427, 0.1046, 0.1443

Sweetspot

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



22.2441, 0.5763, 0.2993



59.6228, 0.3588, 0.3104



18.8389, 0.2579, 0.1216



11.7427, 0.3686, 0.3074



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.



22.2441, 0.5763, 0.2993



21.6356, 0.5967, 0.3061



26.1178, 0.5979, 0.3569



18.0624, 0.3254, 0.3230



11.3251, 0.5927, 0.3039



1.1194, 0.5611, 0.2865

Inverse Universe

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



22.2441, 0.5763, 0.2993



21.6356, 0.5967, 0.3061



48.5267, 0.2054, 0.2563



18.0624, 0.3254, 0.3230



11.3251, 0.5927, 0.3039



1.1194, 0.5611, 0.2865

Previews

White Background



This preview shows how the Yxy color 22.2427, 0.5763, 0.2993 looks on a white background.

Color Contrast Check

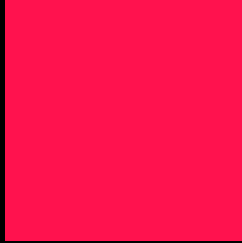
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2427, 0.5763, 0.2993 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 22.2427, 0.5763, 0.2993

Background



This preview shows how black text looks on a background with the Yxy color 22.2427, 0.5763, 0.2993.

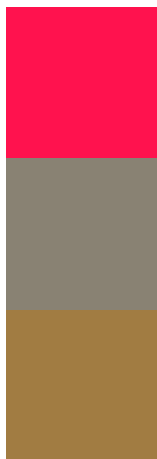


This preview shows how white text looks on a background with the Yxy color 22.2427, 0.5763, 0.2993.

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

22.2427, 0.5763, 0.2993

Protanopia

22.5214, 0.3377, 0.3555

Deuteranopia

22.3857, 0.4275, 0.4181



Tritanopia

22.3718, 0.6180, 0.3314

Trichromacy



Original Color

22.2427, 0.5763, 0.2993



Protanomaly

17.8074, 0.4327, 0.3108



Deuteranomaly

18.5413, 0.5034, 0.3475



Tritanomaly

22.1630, 0.6075, 0.3218

Monochromacy



Original Color

22.2427, 0.5763, 0.2993



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.7255, 0.4328, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2427, 0.5763, 0.2993 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, 18, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 78)  
}
```

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, 18, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 78) }
```

Border

The CSS property to change the border of an element to Yxy 22.2427, 0.5763, 0.2993 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, 18, 78) }
```

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

```
.border{ border-color:rgb(255, 18, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2427, 0.5763, 0.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 78) }
```

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

```
.background{ background-color: rgb(255, 18,  
78) }
```

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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