

Converting Colors

$Y_{xy}(22.1324, 0.5734, 0.2961)$

Have a look what the booklet for
Yxy(22.1324, 0.5734, 0.2961)
contains.

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Color

Yxy(22.1419, 0.5730, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	FF0D51
RGB	255, 13, 81
RGB Percent	100%, 5%, 32%
CMY	0.0001, 0.9481, 0.6824
CMYK	0.00, 0.95, 0.68, 0.00
HSL	343°, 100%, 53%
HSV	343°, 95%, 100%
XYZ	42.8625, 22.1419, 9.7993
YIQ	93.1100, 122.4040, 72.4520

Conversions

Conversions Part 2

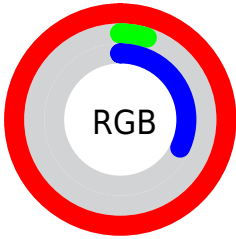
Format	Color
R_{YB}	255, 13, 81
Decimal	16715089
CIE _{Lab}	54.18, 80.94, 31.37
CIE _{LCh}	54, 86.805, 21.184
Yxy	22.1419, 0.5730, 0.2960
Android (android.graphics.Color)	4294905169 (0xFFFF0D51)
YUV	93.1100, -5.9702, 141.9775
Hunter-Lab	47.0552, 80.2490, 20.5914

Details

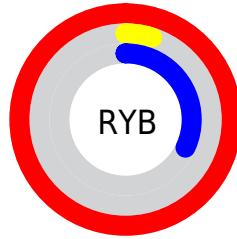
The Yxy color **22.1419, 0.5730, 0.2960** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **75.1884, 0.2504, 0.4192**, and the grayscale version is **10.9982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1791, 0.4674, 0.3013**, and **10.9524, 0.6089, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **21.7163, 0.5879, 0.3012**, and if you desaturate by 10%, it is **23.5964, 0.5397, 0.2880**.

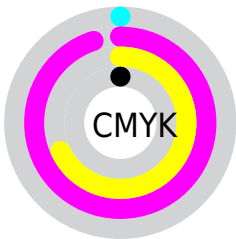
Distribution



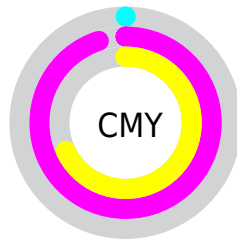
- Red (100%)
- Green (5%)
- Blue (32%)



- Red (100%)
- Yellow (5%)
- Blue (32%)



- Cyan (0%)
- Magenta (95%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1419, 0.5730, 0.2960 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 22.1419, 0.5730, 0.2960 by changing the saturation by 10% instead.


 22.1419, 0.5730,
0.2960


 22.1419, 0.5730,
0.2960


263.2864, 0.4298,
0.3243


 13.9612, 0.6105,
0.2844


 46.9804, 0.5190,
0.3096


 8.0937, 0.6580,
0.2668


 64.4070, 0.4992,
0.3137

 4.1550, 0.7190,
0.2394

 85.6844, 0.4826,
0.3167

 1.7606, 0.8023,
0.1977

 111.1969, 0.4687,
0.3190

 0.4624, 0.8862,
0.1138

 141.3290, 0.4568,
0.3208

 0.0000, 1.0000,
0.0000

176.4650, 0.4466,

 0.0000, 0.0000,

0.3222

0.0000

216.9893, 0.4376,
0.3234

■ 22.1419, 0.5730,
0.2960

■ 22.1419, 0.5730,
0.2960

■ 21.7163, 0.5879,
0.3012


■ 23.5964, 0.5397,
0.2880

■ 26.2490, 0.5022,
0.2845

■ 30.3008, 0.4644,
0.2854


■ 35.9147, 0.4293,
0.2895

■ 43.2310, 0.3985,
0.2958

 52.3740, 0.3723,
0.3032

 63.4567, 0.3507,
0.3109

 76.5826, 0.3330,
0.3185

 91.8480, 0.3186,
0.3257

Harmonies

Analogous

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



22.1419, 0.4468, 0.2223



22.1419, 0.5730, 0.2960



22.1419, 0.5881, 0.3767

Triad

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



22.1419, 0.5730, 0.2960



22.1419, 0.2735, 0.6149



22.1419, 0.1143, 0.1376

Complementary

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



22.1419, 0.5730, 0.2960



75.1884, 0.2504, 0.4192

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.



22.1419, 0.0928, 0.1770



22.1419, 0.5730, 0.2960



22.1419, 0.1651, 0.4723

Square

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



22.1419, 0.5730, 0.2960



22.1419, 0.3970, 0.5801



22.1419, 0.1053, 0.2819



22.1419, 0.1741, 0.1362

Rectangle

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



22.1419, 0.5730, 0.2960



22.1419, 0.5448, 0.4395



22.1419, 0.1053, 0.2819



22.1419, 0.1035, 0.1457

Sweetspot

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



22.1433, 0.5730, 0.2960



59.7162, 0.3571, 0.3084



18.0119, 0.2527, 0.1180



11.7646, 0.3665, 0.3051



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.



22.1433, 0.5730, 0.2960



21.7211, 0.5879, 0.3012



25.1363, 0.6061, 0.3524



18.0708, 0.3250, 0.3224



11.3715, 0.5837, 0.2989



1.1249, 0.5517, 0.2813

Inverse Universe

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



22.1433, 0.5730, 0.2960



21.7211, 0.5879, 0.3012



49.8281, 0.2062, 0.2603



18.0708, 0.3250, 0.3224



11.3715, 0.5837, 0.2989



1.1249, 0.5517, 0.2813

Previews

White Background



This preview shows how the Yxy color 22.1419, 0.5730, 0.2960 looks on a white background.

Color Contrast Check

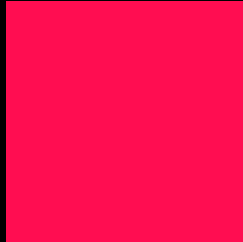
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1419, 0.5730, 0.2960 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 22.1419, 0.5730, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 22.1419, 0.5730, 0.2960.



This preview shows how white text looks on a background with the Yxy color 22.1419, 0.5730, 0.2960.

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

22.1419, 0.5730, 0.2960

Protanopia

22.4481, 0.3307, 0.3485

Deuteranopia

22.3186, 0.4231, 0.4146



Tritanopia

22.3666, 0.6186, 0.3317

Trichromacy



Original Color

22.1419, 0.5730, 0.2960



Protanomaly

17.5831, 0.4271, 0.3049



Deuteranomaly

18.4238, 0.5001, 0.3428



Tritanomaly

22.0764, 0.6073, 0.3206

Monochromacy



Original Color

22.1419, 0.5730, 0.2960



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

11.0635, 0.4323, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1419, 0.5730, 0.2960 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, 13, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 81)  
}
```

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, 13, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 81) }
```

Border

The CSS property to change the border of an element to Yxy 22.1419, 0.5730, 0.2960 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, 13, 81) }
```

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

```
.border{ border-color:rgb(255, 13, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 13, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1419, 0.5730, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 81) }
```

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

```
.background{ background-color: rgb(255, 13,  
81) }
```

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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