

Converting Colors

$Y_{xy}(22.0649, 0.5788, 0.2990)$

Have a look what the booklet for
Yxy(22.0649, 0.5788, 0.2990)
contains.

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Color

Yxy(22.0588, 0.5788, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	FF0C4D
RGB	255, 12, 77
RGB Percent	100%, 5%, 30%
CMY	0.0000, 0.9532, 0.6981
CMYK	0.00, 0.95, 0.70, 0.00
HSL	344°, 100%, 52%
HSV	344°, 95%, 100%
XYZ	42.7154, 22.0588, 9.0257
YIQ	92.0670, 123.9630, 71.7310

Conversions

Conversions Part 2

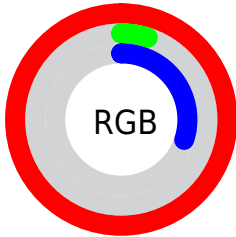
Format	Color
RYB	255, 12, 77
Decimal	16714829
CIELab	54.09, 80.88, 33.64
CIElCh	54, 87.596, 22.584
Yxy	22.0588, 0.5788, 0.2989
Android (android.graphics.Color)	4294904909 (0xFFFF0C4D)
YUV	92.0670, -7.4280, 142.8922
Hunter-Lab	46.9668, 80.1504, 21.4828

Details

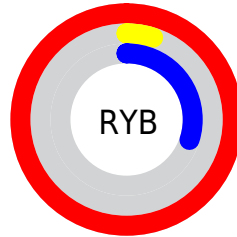
The Yxy color **22.0588, 0.5788, 0.2989** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **75.3131, 0.2492, 0.4153**, and the grayscale version is **10.7051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8807, 0.4733, 0.3044**, and **10.9343, 0.6129, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **21.6804, 0.5920, 0.3035**, and if you desaturate by 10%, it is **23.4489, 0.5457, 0.2907**.

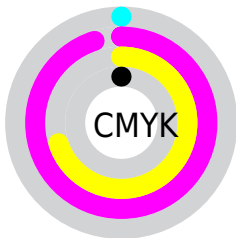
Distribution



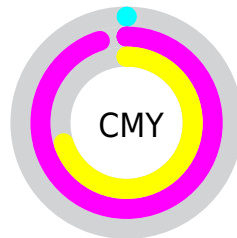
- Red (100%)
- Green (5%)
- Blue (30%)



- Red (100%)
- Yellow (5%)
- Blue (30%)



- Cyan (0%)
- Magenta (95%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0588, 0.5788, 0.2989 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 22.0588, 0.5788, 0.2989 by changing the saturation by 10% instead.


 22.0588, 0.5788,
0.2989


 22.0588, 0.5788,
0.2989


262.8532, 0.4328,
0.3265


 13.9001, 0.6166,
0.2871


 46.8432, 0.5239,
0.3125


 8.0512, 0.6643,
0.2691


 64.2376, 0.5037,
0.3165


 4.1277, 0.7262,
0.2415

 85.4795, 0.4868,
0.3194

 1.7453, 0.8027,
0.1973

 110.9531, 0.4726,
0.3217

 0.4527, 0.8875,
0.1125

 141.0429, 0.4604,
0.3233

 0.0000, 1.0000,
0.0000

176.1332, 0.4499,

 0.0000, 0.0000,

0.3247

0.0000

216.6085, 0.4408,
0.3257

■ 22.0588, 0.5788,
0.2989

■ 22.0588, 0.5788,
0.2989

■ 21.6804, 0.5920,
0.3035

■ 23.4489, 0.5457,
0.2907

■ 26.0307, 0.5078,
0.2869

■ 30.0053, 0.4693,
0.2874

■ 35.5373, 0.4333,
0.2911

■ 42.7682, 0.4015,
0.2970

■ 51.8234, 0.3746,
0.3039

■ 62.8166, 0.3523,
0.3113

■ 75.8519, 0.3342,
0.3186

■ 91.0262, 0.3194,
0.3255

Harmonies

Analogous

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



22.0588, 0.4556, 0.2246



22.0588, 0.5788, 0.2989



22.0588, 0.5881, 0.3803

Triad

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



22.0588, 0.5788, 0.2989



22.0588, 0.2669, 0.6157



22.0588, 0.1149, 0.1356

Complementary

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



22.0588, 0.5788, 0.2989



75.3131, 0.2492, 0.4153

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.



22.0588, 0.0918, 0.1727



22.0588, 0.5788, 0.2989



22.0588, 0.1595, 0.4641

Square

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



22.0588, 0.5788, 0.2989



22.0588, 0.3909, 0.5861



22.0588, 0.1023, 0.2741



22.0588, 0.1770, 0.1357

Rectangle

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



22.0588, 0.5788, 0.2989



22.0588, 0.5421, 0.4443



22.0588, 0.1023, 0.2741



22.0588, 0.1035, 0.1430

Sweetspot

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



22.0571, 0.5788, 0.2989



58.5377, 0.3600, 0.3086



17.9371, 0.2523, 0.1177



11.5408, 0.3697, 0.3054



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.



22.0571, 0.5788, 0.2989



21.6804, 0.5920, 0.3035



25.0213, 0.6073, 0.3519



18.0669, 0.3252, 0.3227



11.3495, 0.5879, 0.3012



1.1223, 0.5561, 0.2837

Inverse Universe

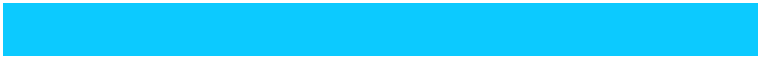
The Inverse Universe completely reimagines the original color for something new.



22.0571, 0.5788, 0.2989



21.6804, 0.5920, 0.3035



49.6968, 0.2060, 0.2599



18.0669, 0.3252, 0.3227



11.3495, 0.5879, 0.3012



1.1223, 0.5561, 0.2837

Previews

White Background



This preview shows how the Yxy color 22.0588, 0.5788, 0.2989 looks on a white background.

Color Contrast Check

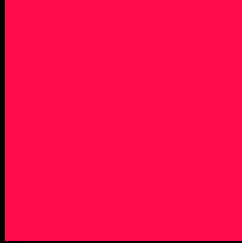
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0588, 0.5788, 0.2989 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 22.0588, 0.5788, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 22.0588, 0.5788, 0.2989.



This preview shows how white text looks on a background with the Yxy color 22.0588, 0.5788, 0.2989.

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

22.0588, 0.5788, 0.2989

Protanopia

22.4144, 0.3376, 0.3574

Deuteranopia

22.2705, 0.4272, 0.4199



Tritanopia

22.2377, 0.6212, 0.3320

Trichromacy



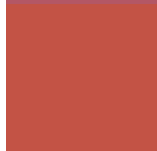
Original Color

22.0588, 0.5788, 0.2989



Protanomaly

17.3397, 0.4343, 0.3093



Deuteranomaly

18.2183, 0.5068, 0.3461



Tritanomaly

21.9556, 0.6116, 0.3221

Monochromacy



Original Color

22.0588, 0.5788, 0.2989



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.8224, 0.4356, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0588, 0.5788, 0.2989 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, 12, 77)` looks like.

```
.text, #text, p{  
  color:rgb(255, 12, 77)  
}
```

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, 12, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 77) }
```

Border

The CSS property to change the border of an element to Yxy 22.0588, 0.5788, 0.2989 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, 12, 77) }
```

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

```
.border{ border-color:rgb(255, 12, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 12, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0588, 0.5788, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 77) }
```

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

```
.background{ background-color: rgb(255, 12,  
77) }
```

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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