

Converting Colors

$Y_{xy}(22.9627, 0.5648, 0.2905)$

Have a look what the booklet for
Yxy(22.9627, 0.5648, 0.2905)
contains.

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Color

Yxy(22.1984, 0.5618, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	FF0A59
RGB	255, 10, 89
RGB Percent	100%, 4%, 35%
CMY	0.0000, 0.9606, 0.6510
CMYK	0.00, 0.96, 0.65, 0.00
HSL	341°, 100%, 52%
HSV	341°, 96%, 100%
XYZ	43.1525, 22.1984, 11.4602
YIQ	92.2610, 120.6610, 76.5090

Conversions

Conversions Part 2

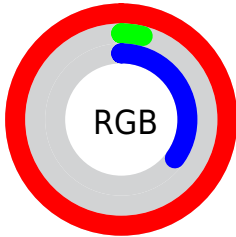
Format	Color
RYB	255, 10, 89
Decimal	16714329
CIELab	54.24, 81.54, 26.67
CIElCh	54, 85.795, 18.110
Yxy	22.1984, 0.5618, 0.2890
Android (android.graphics.Color)	4294904409 (0xFFFF0A59)
YUV	92.2610, -1.6077, 142.7221
Hunter-Lab	47.1152, 81.0353, 18.5590

Details

The Yxy color **22.1984, 0.5618, 0.2890** 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 **74.7215, 0.2547, 0.4353**, and the grayscale version is **10.7549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2384, 0.4559, 0.2913**, and **11.1290, 0.5991, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **21.8720, 0.5731, 0.2931**, and if you desaturate by 10%, it is **23.5408, 0.5299, 0.2805**.

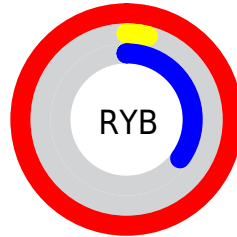
Distribution



Red (100%)

Green (4%)

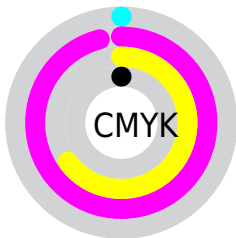
Blue (35%)



Red (100%)

Yellow (4%)

Blue (35%)

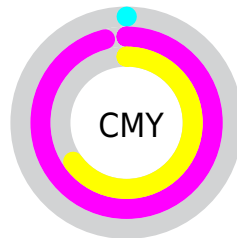


Cyan (0%)

Magenta (96%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1984, 0.5618, 0.2890 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 22.1984, 0.5618, 0.2890 by changing the saturation by 10% instead.


 22.1984, 0.5618,
0.2890


 22.1984, 0.5618,
0.2890


263.5806, 0.4242,
0.3193


 14.0028, 0.5985,
0.2775


 47.0737, 0.5095,
0.3029

 8.1226, 0.6456,
0.2604


 64.5221, 0.4905,
0.3072

 4.1735, 0.7066,
0.2340

 85.8236, 0.4747,
0.3105

 1.7711, 0.8033,
0.1967

 111.3625, 0.4613,
0.3131

 0.4690, 0.8863,
0.1137

 141.5233, 0.4500,
0.3152

 0.0000, 1.0000,
0.0000

176.6903, 0.4402,

 0.0000, 0.0000,

0.3168

0.0000

217.2480, 0.4317,
0.3182

■ 22.1984, 0.5618,
0.2890

■ 22.1984, 0.5618,
0.2890

■ 21.8720, 0.5731,
0.2931

■ 23.5408, 0.5299,
0.2805

■ 26.0465, 0.4946,
0.2769

■ 29.9215, 0.4590,
0.2780

■ 35.3314, 0.4259,
0.2827

■ 42.4180, 0.3966,
0.2898

■ 51.3070, 0.3716,
0.2982

■ 62.1117, 0.3508,
0.3071

■ 74.9363, 0.3338,
0.3158

■ 89.8772, 0.3199,
0.3242

Harmonies

Analogous

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



22.1984, 0.4288, 0.2165



22.1984, 0.5618, 0.2890



22.1984, 0.5891, 0.3685

Triad

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



22.1984, 0.5618, 0.2890



22.1984, 0.2871, 0.6149



22.1984, 0.1121, 0.1412

Complementary

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



22.1984, 0.5618, 0.2890



74.7215, 0.2547, 0.4353

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.



22.1984, 0.0940, 0.1856



22.1984, 0.5618, 0.2890



22.1984, 0.1761, 0.4909

Square

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



22.1984, 0.5618, 0.2890



22.1984, 0.4099, 0.5687



22.1984, 0.1107, 0.2986



22.1984, 0.1671, 0.1365

Rectangle

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



22.1984, 0.5618, 0.2890



22.1984, 0.5517, 0.4295



22.1984, 0.1107, 0.2986



22.1984, 0.1024, 0.1507

Sweetspot

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



22.1993, 0.5618, 0.2890



58.7303, 0.3565, 0.3045



16.3622, 0.2401, 0.1108



11.5858, 0.3654, 0.3007



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.



22.1993, 0.5618, 0.2890



21.8720, 0.5731, 0.2931



23.6385, 0.6180, 0.3440



18.0836, 0.3243, 0.3214



11.4527, 0.5688, 0.2907



1.1341, 0.5369, 0.2731

Inverse Universe

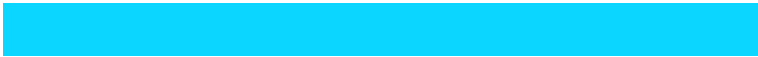
The Inverse Universe completely reimagines the original color for something new.



22.1993, 0.5618, 0.2890



21.8720, 0.5731, 0.2931



55.4663, 0.2105, 0.2762



18.0836, 0.3243, 0.3214



11.4527, 0.5688, 0.2907



1.1341, 0.5369, 0.2731

Previews

White Background



This preview shows how the Yxy color 22.1984, 0.5618, 0.2890 looks on a white background.

Color Contrast Check

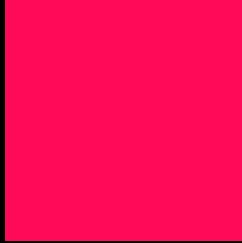
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1984, 0.5618, 0.2890 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 22.1984, 0.5618, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 22.1984, 0.5618, 0.2890.



This preview shows how white text looks on a background with the Yxy color 22.1984, 0.5618, 0.2890.

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

22.1984, 0.5618, 0.2890

Protanopia

22.5635, 0.3162, 0.3290

Deuteranopia

22.5882, 0.4112, 0.4037



Tritanopia

22.3156, 0.6156, 0.3315

Trichromacy



Original Color

22.1984, 0.5618, 0.2890



Protanomaly

17.2405, 0.4089, 0.2871



Deuteranomaly

18.2650, 0.4865, 0.3308



Tritanomaly

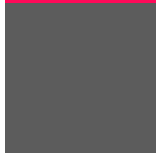
22.1117, 0.6034, 0.3184

Monochromacy



Original Color

22.1984, 0.5618, 0.2890



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.7799, 0.4279, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1984, 0.5618, 0.2890 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, 10, 89)` looks like.

```
.text, #text, p{  
  color:rgb(255, 10, 89)  
}
```

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, 10, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 89) }
```

Border

The CSS property to change the border of an element to Yxy 22.1984, 0.5618, 0.2890 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, 10, 89) }
```

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

```
.border{ border-color:rgb(255, 10, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 10, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1984, 0.5618, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 89) }
```

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

```
.background{ background-color: rgb(255, 10,  
89) }
```

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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