

Converting Colors

$Y_{xy}(22.3569, 0.4513, 0.2281)$

Have a look what the booklet for
Yxy(22.3569, 0.4513, 0.2281)
contains.

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Color

Yxy(22.2715, 0.4516, 0.2282)

Conversions

Conversions Part 1

Format	Color
Hex	F70C97
RGB	247, 12, 151
RGB Percent	97%, 5%, 59%
CMY	0.0314, 0.9527, 0.4079
CMYK	0.00, 0.95, 0.39, 0.03
HSL	325°, 94%, 51%
HSV	325°, 95%, 97%
XYZ	44.0745, 22.2715, 31.2504
YIQ	98.1110, 95.4410, 93.0490

Conversions

Conversions Part 2

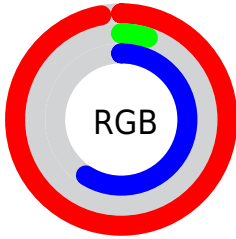
Format	Color
R_{YB}	247, 12, 151
Decimal	16190615
CIE _{Lab}	54.31, 83.93, -10.69
CIE _{LCh}	54, 84.609, 352.738
Yxy	22.2715, 0.4516, 0.2282
Android (android.graphics.Color)	4294380695 (0xFFFF70C97)
YUV	98.1110, 26.0743, 130.5757
Hunter-Lab	47.1927, 84.1188, -6.2262

Details

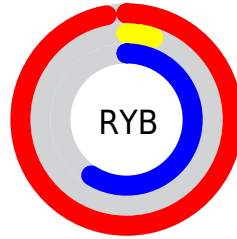
The Yxy color **22.2715, 0.4516, 0.2282** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **67.6843, 0.2796, 0.5240**, and the grayscale version is **12.1692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9751, 0.3710, 0.2280**, and **11.2344, 0.4788, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **21.8513, 0.4606, 0.2311**, and if you desaturate by 10%, it is **23.6590, 0.4327, 0.2252**.

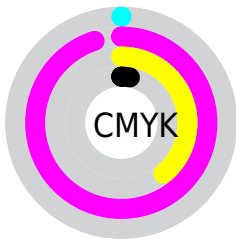
Distribution



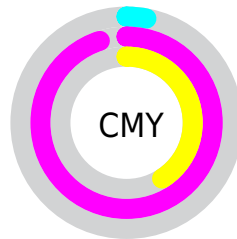
- Red (97%)
- Green (5%)
- Blue (59%)



- Red (97%)
- Yellow (5%)
- Blue (59%)



- Cyan (0%)
- Magenta (95%)
- Yellow (39%)
- Black (3%)





- Cyan (3%)
- Magenta (95%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2715, 0.4516, 0.2282 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 22.2715, 0.4516, 0.2282 by changing the saturation by 10% instead.


 22.2715, 0.4516,
0.2282


 22.2715, 0.4516,
0.2282


263.9608, 0.3765,
0.2808


 14.0565, 0.4721,
0.2146


 47.1943, 0.4230,
0.2478

 8.1600, 0.4993,
0.1969


 64.6710, 0.4126,
0.2550

 4.1975, 0.5370,
0.1732


 86.0036, 0.4040,
0.2610

 1.7846, 0.5919,
0.1406

 111.5767, 0.3968,
0.2662

 0.4776, 0.6832,
0.0851

 141.7745, 0.3906,
0.2706

 0.0000, 0.9627,
0.0000

176.9816, 0.3853,

 0.0000, 1.0000,

0.2745

0.0000

217.5822, 0.3806,
0.2779

■ 0.0000, 0.0000,
0.0000

■ 22.2715, 0.4516,
0.2282

■ 22.2715, 0.4516,
0.2282

■ 21.8513, 0.4606,
0.2311

■ 23.6590, 0.4327,
0.2252

■ 26.1089, 0.4135,
0.2277

■ 29.8039, 0.3947,
0.2350

■ 34.8919, 0.3771,
0.2461

■ 41.4996, 0.3613,
0.2598

■ 49.7396, 0.3473,
0.2751

■ 59.7135, 0.3353,
0.2908

■ 71.5148, 0.3251,
0.3065

■ 85.2302, 0.3165,
0.3216

Harmonies

Analogous

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



22.2715, 0.2956, 0.1704



22.2715, 0.4516, 0.2282



22.2715, 0.5703, 0.3018

Triad

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



22.2715, 0.4516, 0.2282



22.2715, 0.3914, 0.5800



22.2715, 0.0966, 0.1772

Complementary

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



22.2715, 0.4516, 0.2282



67.6843, 0.2796, 0.5240

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.



22.2715, 0.1075, 0.2764



22.2715, 0.4516, 0.2282



22.2715, 0.2699, 0.6035

Square

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



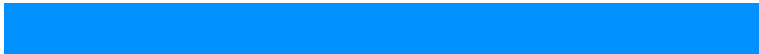
22.2715, 0.4516, 0.2282



22.2715, 0.5058, 0.4796



22.2715, 0.1645, 0.4577



22.2715, 0.1197, 0.1402

Rectangle

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



22.2715, 0.4516, 0.2282



22.2715, 0.5894, 0.3544



22.2715, 0.1645, 0.4577



22.2715, 0.0962, 0.2015

Sweetspot

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



22.2728, 0.4516, 0.2282



59.7523, 0.3398, 0.2846



10.0466, 0.1880, 0.0826



11.8277, 0.3450, 0.2779



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.



22.2728, 0.4516, 0.2282



23.4876, 0.4609, 0.2313



20.1634, 0.6214, 0.3229



16.6470, 0.3201, 0.3151



11.5854, 0.4577, 0.2295



1.0386, 0.4358, 0.2174

Inverse Universe

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



22.2728, 0.4516, 0.2282



23.4876, 0.4609, 0.2313



71.9550, 0.2336, 0.3591



16.6470, 0.3201, 0.3151



11.5854, 0.4577, 0.2295



1.0386, 0.4358, 0.2174

Previews

White Background



This preview shows how the Yxy color 22.2715, 0.4516, 0.2282 looks on a white background.

Color Contrast Check

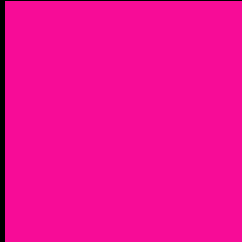
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2715, 0.4516, 0.2282 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 22.2715, 0.4516, 0.2282

Background



This preview shows how black text looks on a background with the Yxy color 22.2715, 0.4516, 0.2282.



This preview shows how white text looks on a background with the Yxy color 22.2715, 0.4516, 0.2282.

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

22.2715, 0.4516, 0.2282

Protanopia

22.8291, 0.2146, 0.1973

Deuteranopia

22.5612, 0.3126, 0.3070



Tritanopia

22.4568, 0.5718, 0.3284

Trichromacy



Original Color

22.2715, 0.4516, 0.2282



Protanomaly

16.9454, 0.2699, 0.1800



Deuteranomaly

17.9756, 0.3646, 0.2460



Tritanomaly

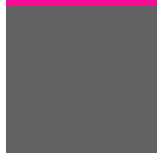
21.7690, 0.5385, 0.2917

Monochromacy



Original Color

22.2715, 0.4516, 0.2282



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.9741, 0.3759, 0.2478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2715, 0.4516, 0.2282 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(247, 12, 151)` looks like.

```
.text, #text, p{  
    color:rgb(247, 12, 151)  
}
```

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(247, 12, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 12, 151) }
```

Border

The CSS property to change the border of an element to Yxy 22.2715, 0.4516, 0.2282 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(247, 12, 151) }
```

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

```
.border{ border-color:rgb(247, 12, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 12, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 12, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 12, 151);  
box-shadow:4px 4px 4px 4px rgb(247, 12,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2715, 0.4516, 0.2282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 12, 151) }
```

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

```
.background{ background-color: rgb(247, 12,  
151) }
```

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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