

Converting Colors

$Y_{xy}(22.1729, 0.5464, 0.2784)$

Have a look what the booklet for
Yxy(22.1729, 0.5464, 0.2784)
contains.

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Color

Yxy(22.1801, 0.5459, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	FF0064
RGB	255, 0, 100
RGB Percent	100%, 0%, 39%
CMY	0.0000, 0.9996, 0.6079
CMYK	0.00, 1.00, 0.61, 0.00
HSL	336°, 100%, 50%
HSV	336°, 100%, 100%
XYZ	43.5387, 22.1801, 14.0370
YIQ	87.6450, 119.8800, 85.1600

Conversions

Conversions Part 2

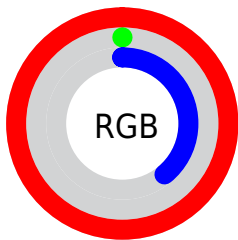
Format	Color
R_{YB}	255, 0, 100
Decimal	16711780
CIE _{Lab}	54.22, 82.77, 20.03
CIE _{LCh}	54, 85.160, 13.604
Yxy	22.1801, 0.5459, 0.2781
Android (android.graphics.Color)	4294901860 (0xFFFF0064)
YUV	87.6450, 6.0910, 146.7703
Hunter-Lab	47.0958, 82.6007, 15.2955

Details

The Yxy color **22.1801, 0.5459, 0.2781** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.8898, 0.2627, 0.4656**, and the grayscale version is **9.6582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3857, 0.4414, 0.2792**, and **11.2135, 0.5822, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **22.1778, 0.5460, 0.2782**, and if you desaturate by 10%, it is **23.2300, 0.5173, 0.2687**.

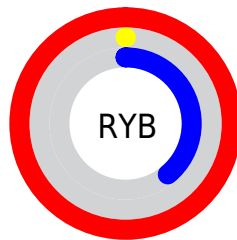
Distribution



Red (100%)

Green (0%)

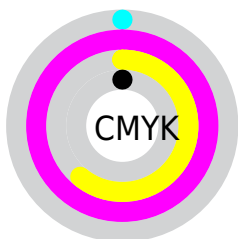
Blue (39%)



Red (100%)

Yellow (0%)

Blue (39%)

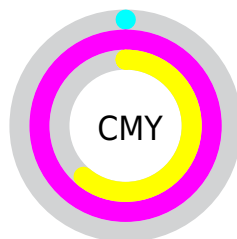


Cyan (0%)

Magenta (100%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1801, 0.5459, 0.2781 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 22.1801, 0.5459, 0.2781 by changing the saturation by 10% instead.


 22.1801, 0.5459,
0.2781


 22.1801, 0.5459,
0.2781


263.4854, 0.4167,
0.3122

 13.9893, 0.5810,
0.2665


 47.0435, 0.4964,
0.2928


 8.1132, 0.6269,
0.2497


 64.4848, 0.4786,
0.2976

 4.1675, 0.6878,
0.2244

 85.7785, 0.4637,
0.3014

 1.7677, 0.7793,
0.1874

 111.3089, 0.4513,
0.3044

 0.4669, 0.8888,
0.1112

 141.4604, 0.4407,
0.3069

 0.0000, 1.0000,
0.0000

176.6174, 0.4316,

 0.0000, 0.0000,

0.3089

0.0000

217.1642, 0.4236,
0.3107

■ 22.1801, 0.5459,
0.2781

■ 22.1801, 0.5459,
0.2781

■ 22.1778, 0.5460,
0.2782

■ 23.2300, 0.5173,
0.2687

■ 25.2751, 0.4862,
0.2641

■ 28.6035, 0.4544,
0.2648

■ 33.3924, 0.4243,
0.2698

■ 39.7907, 0.3972,
0.2778

■ 47.9286, 0.3737,
0.2876

■ 57.9229, 0.3539,
0.2982

■ 69.8802, 0.3374,
0.3089

■ 83.8991, 0.3238,
0.3193

Harmonies

Analogous

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



22.1801, 0.4037, 0.2074



22.1801, 0.5459, 0.2781



22.1801, 0.5907, 0.3563

Triad

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



22.1801, 0.5459, 0.2781



22.1801, 0.3060, 0.6149



22.1801, 0.1081, 0.1458

Complementary

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



22.1801, 0.5459, 0.2781



73.8898, 0.2627, 0.4656

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.



22.1801, 0.0951, 0.1982



22.1801, 0.5459, 0.2781



22.1801, 0.1916, 0.5180

Square

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



22.1801, 0.5459, 0.2781



22.1801, 0.4281, 0.5532



22.1801, 0.1180, 0.3238



22.1801, 0.1568, 0.1361

Rectangle

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



22.1801, 0.5459, 0.2781



22.1801, 0.5620, 0.4152



22.1801, 0.1180, 0.3238



22.1801, 0.1002, 0.1574

Sweetspot

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



22.1815, 0.5459, 0.2781



57.8775, 0.3539, 0.2982



13.9986, 0.2215, 0.0994



11.4370, 0.3619, 0.2937



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.



22.1815, 0.5459, 0.2781



22.1784, 0.5460, 0.2782



21.9808, 0.6338, 0.3349



18.1049, 0.3232, 0.3197



11.6159, 0.5417, 0.2758



1.1517, 0.5113, 0.2590

Inverse Universe

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



22.1815, 0.5459, 0.2781



22.1784, 0.5460, 0.2782



63.5409, 0.2158, 0.2967



18.1049, 0.3232, 0.3197



11.6159, 0.5417, 0.2758



1.1517, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 22.1801, 0.5459, 0.2781 looks on a white background.

Color Contrast Check

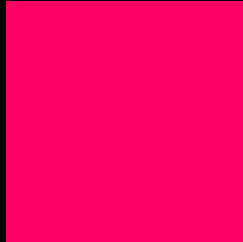
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1801, 0.5459, 0.2781 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 22.1801, 0.5459, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 22.1801, 0.5459, 0.2781.



This preview shows how white text looks on a background with the Yxy color 22.1801, 0.5459, 0.2781.

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

22.1801, 0.5459, 0.2781

Protanopia

22.7077, 0.2950, 0.3014

Deuteranopia

22.5566, 0.3960, 0.3876



Tritanopia

22.5402, 0.6107, 0.3308

Trichromacy



Original Color

22.1801, 0.5459, 0.2781



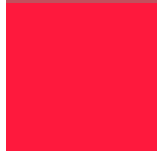
Protanomaly

16.8855, 0.3844, 0.2624



Deuteranomaly

17.8651, 0.4701, 0.3129



Tritanomaly

22.1030, 0.5955, 0.3129

Monochromacy



Original Color

22.1801, 0.5459, 0.2781



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.9906, 0.4259, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1801, 0.5459, 0.2781 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, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 100)  
}
```

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, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 100) }
```

Border

The CSS property to change the border of an element to Yxy 22.1801, 0.5459, 0.2781 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, 0, 100) }
```

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

```
.border{ border-color:rgb(255, 0, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1801, 0.5459, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 100) }
```

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

```
.background{ background-color: rgb(255, 0,  
100) }
```

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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