

Converting Colors

$Y_{xy}(22.1212, 0.5508, 0.2808)$

Have a look what the booklet for
Yxy(22.1212, 0.5508, 0.2808)
contains.

Yxy(22.1231, 0.5506, 0.2807)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.1231, 0.5506, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	FF0061
RGB	255, 0, 97
RGB Percent	100%, 0%, 38%
CMY	0.0000, 0.9994, 0.6195
CMYK	0.00, 1.00, 0.62, 0.00
HSL	337°, 100%, 50%
HSV	337°, 100%, 100%
XYZ	43.3950, 22.1231, 13.2959
YIQ	87.3030, 120.8430, 84.2270

Conversions

Conversions Part 2

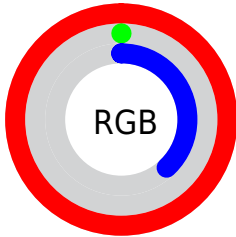
Format	Color
R_{YB}	255, 0, 97
Decimal	16711777
CIE _{Lab}	54.16, 82.61, 21.74
CIE _{LCh}	54, 85.418, 14.743
Yxy	22.1231, 0.5506, 0.2807
Android (android.graphics.Color)	4294901857 (0xFFFF0061)
YUV	87.3030, 4.7806, 147.0703
Hunter-Lab	47.0352, 82.3738, 16.1645

Details

The Yxy color **22.1231, 0.5506, 0.2807** 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 **73.9863, 0.2615, 0.4612**, and the grayscale version is **9.5903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1019, 0.4459, 0.2814**, and **11.1951, 0.5858, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **22.1191, 0.5508, 0.2808**, and if you desaturate by 10%, it is **23.1697, 0.5217, 0.2712**.

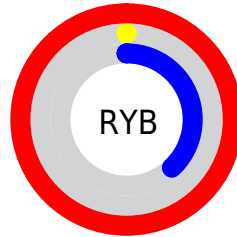
Distribution



Red (100%)

Green (0%)

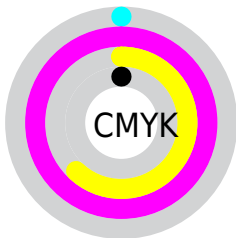
Blue (38%)



Red (100%)

Yellow (0%)

Blue (38%)

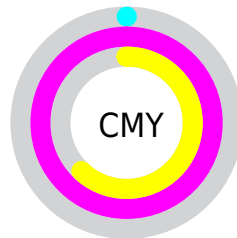


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1231, 0.5506, 0.2807 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 22.1231, 0.5506, 0.2807 by changing the saturation by 10% instead.


 22.1231, 0.5506,
0.2807


 22.1231, 0.5506,
0.2807

263.1885, 0.4188,
0.3139


 13.9474, 0.5863,
0.2691


 46.9494, 0.5002,
0.2952


 8.0841, 0.6327,
0.2521


 64.3687, 0.4820,
0.2999


 4.1488, 0.6939,
0.2265

 85.6380, 0.4669,
0.3036

 1.7571, 0.7898,
0.1900

 111.1418, 0.4542,
0.3065

 0.4602, 0.8894,
0.1106

 141.2643, 0.4433,
0.3089

 0.0000, 1.0000,
0.0000

176.3900, 0.4340,

 0.0000, 0.0000,

0.3109

0.0000

216.9032, 0.4259,
0.3125

■ 22.1231, 0.5506,
0.2807

■ 22.1231, 0.5506,
0.2807

■ 22.1191, 0.5508,
0.2808

■ 23.1697, 0.5217,
0.2712

■ 25.2143, 0.4899,
0.2664

■ 28.5445, 0.4574,
0.2668

■ 33.3376, 0.4266,
0.2716

■ 39.7425, 0.3989,
0.2793

■ 47.8897, 0.3749,
0.2888

■ 57.8960, 0.3546,
0.2991

■ 69.8682, 0.3378,
0.3095

■ 83.9047, 0.3240,
0.3196

Harmonies

Analogous

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



22.1231, 0.4102, 0.2095



22.1231, 0.5506, 0.2807



22.1231, 0.5910, 0.3593

Triad

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



22.1231, 0.5506, 0.2807



22.1231, 0.3010, 0.6159



22.1231, 0.1088, 0.1443

Complementary

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



22.1231, 0.5506, 0.2807



73.9863, 0.2615, 0.4612

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.



22.1231, 0.0945, 0.1946



22.1231, 0.5506, 0.2807



22.1231, 0.1873, 0.5119

Square

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



22.1231, 0.5506, 0.2807



22.1231, 0.4236, 0.5574



22.1231, 0.1158, 0.3172



22.1231, 0.1590, 0.1359

Rectangle

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



22.1231, 0.5506, 0.2807



22.1231, 0.5598, 0.4187



22.1231, 0.1158, 0.3172



22.1231, 0.1004, 0.1553

Sweetspot

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



22.1245, 0.5506, 0.2807



57.8334, 0.3547, 0.2991



14.4214, 0.2252, 0.1015



11.4267, 0.3628, 0.2947



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.



22.1245, 0.5506, 0.2807



22.1216, 0.5508, 0.2808



22.1810, 0.6321, 0.3362



18.1013, 0.3234, 0.3200



11.5858, 0.5465, 0.2784



1.1485, 0.5157, 0.2614

Inverse Universe

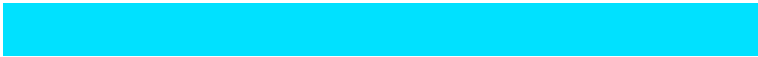
The Inverse Universe completely reimagines the original color for something new.



22.1245, 0.5506, 0.2807



22.1216, 0.5508, 0.2808



61.2101, 0.2142, 0.2911



18.1013, 0.3234, 0.3200



11.5858, 0.5465, 0.2784



1.1485, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 22.1231, 0.5506, 0.2807 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 22.1231, 0.5506, 0.2807 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 22.1231, 0.5506, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 22.1231, 0.5506, 0.2807.



This preview shows how white text looks on a background with the Yxy color 22.1231, 0.5506, 0.2807.

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

22.1231, 0.5506, 0.2807

Protanopia

22.6641, 0.3001, 0.3082

Deuteranopia

22.5072, 0.3995, 0.3923



Tritanopia

22.4611, 0.6126, 0.3311

Trichromacy



Original Color

22.1231, 0.5506, 0.2807



Protanomaly

16.8068, 0.3893, 0.2666



Deuteranomaly

17.8130, 0.4750, 0.3168



Tritanomaly

22.0716, 0.5989, 0.3148

Monochromacy



Original Color

22.1231, 0.5506, 0.2807



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.7836, 0.4270, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1231, 0.5506, 0.2807 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, 97)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 97) }
```

Border

The CSS property to change the border of an element to Yxy 22.1231, 0.5506, 0.2807 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, 97) }
```

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

```
.border{ border-color:rgb(255, 0, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 97)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.1231, 0.5506, 0.2807$ 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, 97) }
```

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

```
.background{ background-color: rgb(255, 0,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor