

Converting Colors

$Y_{xy}(22.5718, 0.5597, 0.2915)$

Have a look what the booklet for
Yxy(22.5718, 0.5597, 0.2915)
contains.

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Color

Yxy(22.5551, 0.5598, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	FF1659
RGB	255, 22, 89
RGB Percent	100%, 9%, 35%
CMY	0.0000, 0.9136, 0.6510
CMYK	0.00, 0.91, 0.65, 0.00
HSL	343°, 100%, 54%
HSV	343°, 91%, 100%
XYZ	43.3299, 22.5551, 11.5175
YIQ	99.3050, 117.3610, 70.2330

Conversions

Conversions Part 2

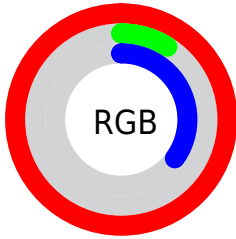
Format	Color
R_{YB}	255, 22, 89
Decimal	16717401
CIE _{Lab}	54.61, 80.46, 27.16
CIE _{LCh}	55, 84.917, 18.651
Yxy	22.5551, 0.5598, 0.2914
Android (android.graphics.Color)	4294907481 (0xFFFF1659)
YUV	99.3050, -5.0804, 136.5445
Hunter-Lab	47.4922, 79.7447, 18.8659

Details

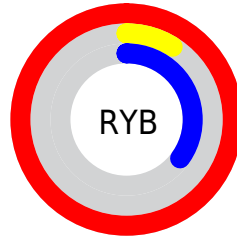
The Yxy color **22.5551, 0.5598, 0.2914** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **75.3243, 0.2506, 0.4179**, and the grayscale version is **12.5546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8246, 0.4545, 0.2940**, and **11.1290, 0.5991, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **21.7447, 0.5855, 0.2999**, and if you desaturate by 10%, it is **24.4013, 0.5248, 0.2849**.

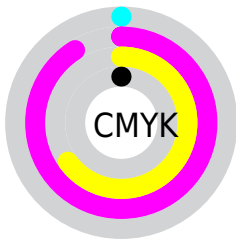
Distribution



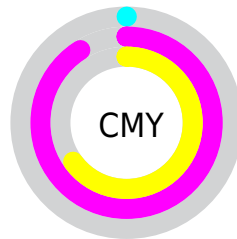
- Red (100%)
- Green (9%)
- Blue (35%)



- Red (100%)
- Yellow (9%)
- Blue (35%)



- Cyan (0%)
- Magenta (91%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5551, 0.5598, 0.2914 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 22.5551, 0.5598, 0.2914 by changing the saturation by 10% instead.


 22.5551, 0.5598,
0.2914


 22.5551, 0.5598,
0.2914


265.4316, 0.4236,
0.3204


 14.2653, 0.5960,
0.2802


 47.6618, 0.5081,
0.3048

 8.3054, 0.6426,
0.2636


 65.2475, 0.4892,
0.3089

 4.2910, 0.7028,
0.2378

 86.7006, 0.4736,
0.3121

 1.8376, 0.7986,
0.2014

 112.4055, 0.4604,
0.3146

 0.5105, 0.8785,
0.1215

 142.7467, 0.4491,
0.3165

 0.0000, 1.0000,
0.0000

178.1085, 0.4394,

 0.0000, 0.0000,

0.3181

0.0000

218.8754, 0.4310,
0.3194

■ 22.5551, 0.5598,
0.2914

■ 22.5551, 0.5598,
0.2914

■ 21.7447, 0.5855,
0.2999


■ 24.4013, 0.5248,
0.2849


■ 27.5194, 0.4871,
0.2831

■ 32.0951, 0.4504,
0.2854

■ 38.2823, 0.4170,
0.2906

■ 46.2151, 0.3881,
0.2975

 56.0135, 0.3639,
0.3052

 67.7868, 0.3439,
0.3131

 81.6357, 0.3276,
0.3208

 97.6543, 0.3143,
0.3281

Harmonies

Analogous

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



22.5551, 0.4301, 0.2191



22.5551, 0.5598, 0.2914



22.5551, 0.5855, 0.3708

Triad

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



22.5551, 0.5598, 0.2914



22.5551, 0.2863, 0.6097



22.5551, 0.1146, 0.1428

Complementary

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



22.5551, 0.5598, 0.2914



75.3243, 0.2506, 0.4179

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.



22.5551, 0.0961, 0.1863



22.5551, 0.5598, 0.2914



22.5551, 0.1766, 0.4846

Square

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



22.5551, 0.5598, 0.2914



22.5551, 0.4079, 0.5680



22.5551, 0.1123, 0.2967



22.5551, 0.1702, 0.1386

Rectangle

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



22.5551, 0.5598, 0.2914



22.5551, 0.5483, 0.4315



22.5551, 0.1123, 0.2967



22.5551, 0.1048, 0.1520

Sweetspot

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



22.5564, 0.5598, 0.2914



60.8941, 0.3546, 0.3087



18.1236, 0.2515, 0.1188



12.2083, 0.3618, 0.3060



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.



22.5564, 0.5598, 0.2914



21.7447, 0.5855, 0.2999



25.5292, 0.6006, 0.3525



18.0729, 0.3249, 0.3222



11.3842, 0.5813, 0.2976



1.1264, 0.5493, 0.2800

Inverse Universe

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



22.5564, 0.5598, 0.2914



21.7447, 0.5855, 0.2999



52.7020, 0.2090, 0.2684



18.0729, 0.3249, 0.3222



11.3842, 0.5813, 0.2976



1.1264, 0.5493, 0.2800

Previews

White Background



This preview shows how the Yxy color 22.5551, 0.5598, 0.2914 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 22.5551, 0.5598, 0.2914 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 22.5551, 0.5598, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 22.5551, 0.5598, 0.2914.



This preview shows how white text looks on a background with the Yxy color 22.5551, 0.5598, 0.2914.

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

22.5551, 0.5598, 0.2914

Protanopia

22.8859, 0.3183, 0.3325

Deuteranopia

22.5882, 0.4112, 0.4037



Tritanopia

22.5402, 0.6107, 0.3308

Trichromacy



Original Color

22.5551, 0.5598, 0.2914



Protanomaly

18.1621, 0.4094, 0.2958



Deuteranomaly

19.0580, 0.4821, 0.3371



Tritanomaly

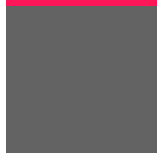
22.4540, 0.5972, 0.3181

Monochromacy



Original Color

22.5551, 0.5598, 0.2914



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.4006, 0.4222, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5551, 0.5598, 0.2914 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, 22, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 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, 22, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 89) }
```

Border

The CSS property to change the border of an element to Yxy 22.5551, 0.5598, 0.2914 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, 22, 89) }
```

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

```
.border{ border-color:rgb(255, 22, 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, 22, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5551, 0.5598, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 89) }
```

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

```
.background{ background-color: rgb(255, 22,  
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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