

Converting Colors

$Y_{xy}(22.3332, 0.5674, 0.2951)$

Have a look what the booklet for
Yxy(22.3332, 0.5674, 0.2951)
contains.

Yxy(22.4004, 0.5675, 0.2950)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4004, 0.5675, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	FF1454
RGB	255, 20, 84
RGB Percent	100%, 8%, 33%
CMY	0.0000, 0.9215, 0.6706
CMYK	0.00, 0.92, 0.67, 0.00
HSL	344°, 100%, 54%
HSV	344°, 92%, 100%
XYZ	43.0923, 22.4004, 10.4409
YIQ	97.5610, 119.5160, 69.7240

Conversions

Conversions Part 2

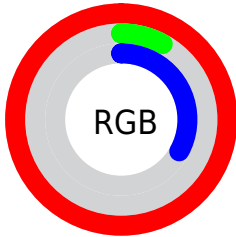
Format	Color
R_{YB}	255, 20, 84
Decimal	16716884
CIE Lab	54.45, 80.45, 29.92
CIE LCh	54, 85.835, 20.402
Yxy	22.4004, 0.5675, 0.2950
Android (android.graphics.Color)	4294906964 (0xFFFF1454)
YUV	97.5610, -6.6856, 138.0740
Hunter-Lab	47.3291, 79.6953, 20.0509

Details

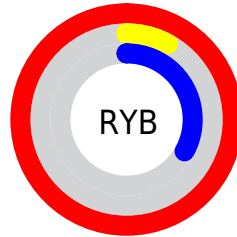
The Yxy color **22.4004, 0.5675, 0.2950** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **75.4304, 0.2493, 0.4137**, and the grayscale version is **12.0949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4562, 0.4630, 0.2992**, and **11.1004, 0.6051, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **21.6952, 0.5905, 0.3027**, and if you desaturate by 10%, it is **24.1461, 0.5325, 0.2882**.

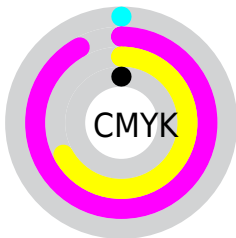
Distribution



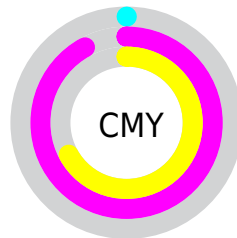
- Red (100%)
- Green (8%)
- Blue (33%)



- Red (100%)
- Yellow (8%)
- Blue (33%)



- Cyan (0%)
- Magenta (92%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (92%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4004, 0.5675, 0.2950 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 22.4004, 0.5675, 0.2950 by changing the saturation by 10% instead.


 22.4004, 0.5675,
0.2950


 22.4004, 0.5675,
0.2950


264.6302, 0.4273,
0.3231


 14.1514, 0.6044,
0.2837


 47.4069, 0.5145,
0.3083

 8.2260, 0.6515,
0.2666


 64.9332, 0.4951,
0.3124


 4.2399, 0.7117,
0.2399

 86.3207, 0.4789,
0.3154

 1.8087, 0.7995,
0.2005

 111.9538, 0.4653,
0.3178

 0.4926, 0.8809,
0.1191

 142.2169, 0.4537,
0.3196

 0.0000, 1.0000,
0.0000

177.4944, 0.4437,

 0.0000, 0.0000,

0.3210

0.0000

218.1707, 0.4349,
0.3222

■ 22.4004, 0.5675,
0.2950

■ 22.4004, 0.5675,
0.2950

■ 21.6952, 0.5905,
0.3027


■ 24.1461, 0.5325,
0.2882

■ 27.1506, 0.4943,
0.2858


■ 31.6021, 0.4565,
0.2875


■ 37.6570, 0.4220,
0.2921

■ 45.4508, 0.3920,
0.2986

 55.1048, 0.3667,
0.3059

 66.7294, 0.3460,
0.3134

 80.4262, 0.3290,
0.3207

 96.2898, 0.3153,
0.3276

Harmonies

Analogous

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



22.4004, 0.4408, 0.2218



22.4004, 0.5675, 0.2950



22.4004, 0.5862, 0.3752

Triad

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



22.4004, 0.5675, 0.2950



22.4004, 0.2781, 0.6114



22.4004, 0.1151, 0.1400

Complementary

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



22.4004, 0.5675, 0.2950



75.4304, 0.2493, 0.4137

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.



22.4004, 0.0946, 0.1807



22.4004, 0.5675, 0.2950



22.4004, 0.1695, 0.4752

Square

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



22.4004, 0.5675, 0.2950



22.4004, 0.4006, 0.5753



22.4004, 0.1083, 0.2869



22.4004, 0.1735, 0.1377

Rectangle

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



22.4004, 0.5675, 0.2950



22.4004, 0.5452, 0.4371



22.4004, 0.1083, 0.2869



22.4004, 0.1046, 0.1484

Sweetspot

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



22.4007, 0.5675, 0.2950



59.6890, 0.3576, 0.3090



18.4651, 0.2546, 0.1201



11.7582, 0.3671, 0.3057



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.



22.4007, 0.5675, 0.2950



21.6952, 0.5905, 0.3027



25.8070, 0.5994, 0.3547



18.0683, 0.3251, 0.3225



11.3575, 0.5864, 0.3004



1.1232, 0.5545, 0.2828

Inverse Universe

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



22.4007, 0.5675, 0.2950



21.6952, 0.5905, 0.3027



50.5948, 0.2072, 0.2624



18.0683, 0.3251, 0.3225



11.3575, 0.5864, 0.3004



1.1232, 0.5545, 0.2828

Previews

White Background



This preview shows how the Yxy color 22.4004, 0.5675, 0.2950 looks on a white background.

Color Contrast Check

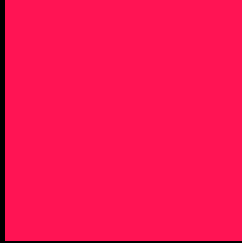
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4004, 0.5675, 0.2950 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 22.4004, 0.5675, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 22.4004, 0.5675, 0.2950.



This preview shows how white text looks on a background with the Yxy color 22.4004, 0.5675, 0.2950.

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

22.4004, 0.5675, 0.2950

Protanopia

22.5462, 0.3263, 0.3413

Deuteranopia

22.6087, 0.4190, 0.4119



Tritanopia

22.5784, 0.6140, 0.3311

Trichromacy



Original Color

22.4004, 0.5675, 0.2950



Protanomaly

18.0002, 0.4194, 0.3019



Deuteranomaly

18.9403, 0.4929, 0.3430



Tritanomaly

22.3078, 0.6020, 0.3197

Monochromacy



Original Color

22.4004, 0.5675, 0.2950



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.1392, 0.4252, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4004, 0.5675, 0.2950 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, 20, 84)` looks like.

```
.text, #text, p{  
  color:rgb(255, 20, 84)  
}
```

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, 20, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 84) }
```

Border

The CSS property to change the border of an element to Yxy 22.4004, 0.5675, 0.2950 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, 20, 84) }
```

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

```
.border{ border-color:rgb(255, 20, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 20, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4004, 0.5675, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 84) }
```

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

```
.background{ background-color: rgb(255, 20,  
84) }
```

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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