

Converting Colors

$Yxy(21.9908, 0.5622, 0.2871)$

Have a look what the booklet for
Yxy(21.9908, 0.5622, 0.2871)
contains.

Yxy(21.9982, 0.5615, 0.2867)	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(21.9982, 0.5615, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	FF005A
RGB	255, 0, 90
RGB Percent	100%, 0%, 35%
CMY	0.0000, 0.9995, 0.6471
CMYK	0.00, 1.00, 0.65, 0.00
HSL	339°, 100%, 50%
HSV	339°, 100%, 100%
XYZ	43.0833, 21.9982, 11.6475
YIQ	86.5050, 123.0900, 82.0500

Conversions

Conversions Part 2

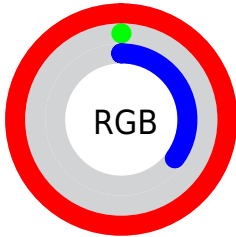
Format	Color
RYB	255, 0, 90
Decimal	16711770
CIELab	54.03, 82.25, 25.79
CIElCh	54, 86.201, 17.410
Yxy	21.9982, 0.5615, 0.2867
Android (android.graphics.Color)	4294901850 (0xFFFF005A)
YUV	86.5050, 1.7230, 147.7701
Hunter-Lab	46.9022, 81.8871, 18.1078

Details

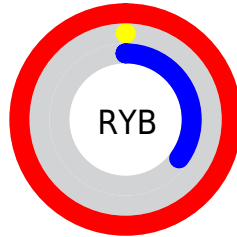
The Yxy color **21.9982, 0.5615, 0.2867** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **74.2371, 0.2587, 0.4512**, and the grayscale version is **9.4130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8888, 0.4554, 0.2885**, and **11.1366, 0.5975, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **21.9951, 0.5616, 0.2868**, and if you desaturate by 10%, it is **23.0324, 0.5319, 0.2770**.

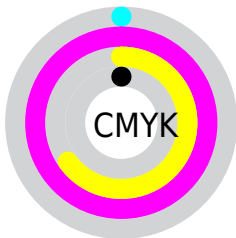
Distribution



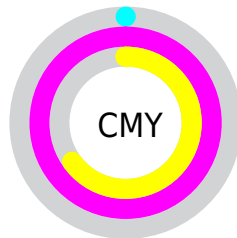
- Red (100%)
- Green (0%)
- Blue (35%)



- Red (100%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9982, 0.5615, 0.2867 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 21.9982, 0.5615, 0.2867 by changing the saturation by 10% instead.


 21.9982, 0.5615,
0.2867


 21.9982, 0.5615,
0.2867


262.5369, 0.4239,
0.3181


 13.8556, 0.5983,
0.2750


 46.7430, 0.5091,
0.3009


 8.0203, 0.6457,
0.2577


 64.1140, 0.4901,
0.3054

 4.1079, 0.7072,
0.2310

 85.3299, 0.4743,
0.3088

 1.7341, 0.8061,
0.1939

 110.7751, 0.4610,
0.3115

 0.4456, 0.8910,
0.1090

 140.8340, 0.4496,
0.3137

 0.0000, 1.0000,
0.0000

175.8910, 0.4398,

 0.0000, 0.0000,

0.3154

0.0000

216.3305, 0.4314,
0.3169

■ 21.9982, 0.5615,
0.2867

■ 21.9982, 0.5615,
0.2867

■ 21.9951, 0.5616,
0.2868

■ 23.0324, 0.5319,
0.2770

■ 25.0684, 0.4988,
0.2718

■ 28.3946, 0.4647,
0.2717

■ 33.1889, 0.4322,
0.2758

■ 39.6005, 0.4030,
0.2829

■ 47.7604, 0.3777,
0.2917

■ 57.7857, 0.3564,
0.3013

■ 69.7836, 0.3388,
0.3109

■ 83.8530, 0.3244,
0.3202

Harmonies

Analogous

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



21.9982, 0.4258, 0.2142



21.9982, 0.5615, 0.2867



21.9982, 0.5913, 0.3661

Triad

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



21.9982, 0.5615, 0.2867



21.9982, 0.2893, 0.6179



21.9982, 0.1103, 0.1408

Complementary

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



21.9982, 0.5615, 0.2867



74.2371, 0.2587, 0.4512

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.



21.9982, 0.0930, 0.1864



21.9982, 0.5615, 0.2867



21.9982, 0.1772, 0.4970

Square

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



21.9982, 0.5615, 0.2867



21.9982, 0.4127, 0.5676



21.9982, 0.1105, 0.3019



21.9982, 0.1645, 0.1353

Rectangle

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



21.9982, 0.5615, 0.2867



21.9982, 0.5546, 0.4270



21.9982, 0.1105, 0.3019



21.9982, 0.1009, 0.1505

Sweetspot

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



21.9996, 0.5615, 0.2867



57.7308, 0.3565, 0.3012



14.8563, 0.2291, 0.1036



11.4027, 0.3650, 0.2971



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.



21.9996, 0.5615, 0.2867



21.9967, 0.5616, 0.2868



22.4096, 0.6302, 0.3378



18.0929, 0.3239, 0.3206



11.5193, 0.5573, 0.2844



1.1414, 0.5258, 0.2670

Inverse Universe

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



21.9996, 0.5615, 0.2867



21.9967, 0.5616, 0.2868



58.9392, 0.2126, 0.2854



18.0929, 0.3239, 0.3206



11.5193, 0.5573, 0.2844



1.1414, 0.5258, 0.2670

Previews

White Background



This preview shows how the Yxy color 21.9982, 0.5615, 0.2867 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 21.9982, 0.5615, 0.2867 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 21.9982, 0.5615, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 21.9982, 0.5615, 0.2867.

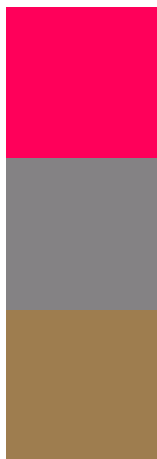


This preview shows how white text looks on a background with the Yxy color 21.9982, 0.5615, 0.2867.

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

21.9982, 0.5615, 0.2867

Protanopia

22.5367, 0.3129, 0.3255

Deuteranopia

22.5008, 0.4088, 0.4026



Tritanopia

22.2487, 0.6167, 0.3314

Trichromacy



Original Color

21.9982, 0.5615, 0.2867



Protanomaly

16.8180, 0.4070, 0.2801



Deuteranomaly

17.6993, 0.4863, 0.3258



Tritanomaly

21.9407, 0.6047, 0.3172

Monochromacy



Original Color

21.9982, 0.5615, 0.2867



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.7329, 0.4336, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9982, 0.5615, 0.2867 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, 90)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 21.9982, 0.5615, 0.2867 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, 90) }
```

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

```
.border{ border-color:rgb(255, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.9982, 0.5615, 0.2867 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, 90) }
```

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

```
.background{ background-color: rgb(255, 0,  
90) }
```

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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