

Converting Colors

$Y_{xy}(21.5212, 0.5597, 0.2857)$

Have a look what the booklet for
Yxy(21.5212, 0.5597, 0.2857)
contains.

Yxy(21.4336, 0.5597, 0.2857)	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(21.4336, 0.5597, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	FC005A
RGB	252, 0, 90
RGB Percent	99%, 0%, 35%
CMY	0.0118, 0.9996, 0.6470
CMYK	0.00, 1.00, 0.64, 0.01
HSL	339°, 100%, 49%
HSV	339°, 100%, 99%
XYZ	41.9895, 21.4336, 11.5983
YIQ	85.6080, 121.3020, 81.4140

Conversions

Conversions Part 2

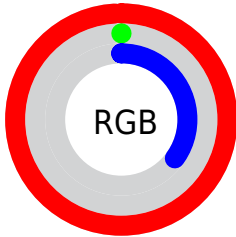
Format	Color
RYB	252, 0, 90
Decimal	16515162
CIELab	53.42, 81.58, 24.88
CIElCh	53, 85.289, 16.963
Yxy	21.4336, 0.5597, 0.2857
Android (android.graphics.Color)	4294705242 (0xFFFC005A)
YUV	85.6080, 2.1653, 145.9258
Hunter-Lab	46.2964, 80.8753, 17.5540

Details

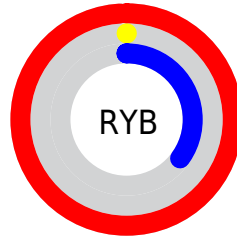
The Yxy color **21.4336, 0.5597, 0.2857** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **72.2301, 0.2591, 0.4527**, and the grayscale version is **9.2070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8888, 0.4554, 0.2885**, and **10.7543, 0.5961, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **21.4318, 0.5598, 0.2857**, and if you desaturate by 10%, it is **22.4475, 0.5302, 0.2761**.

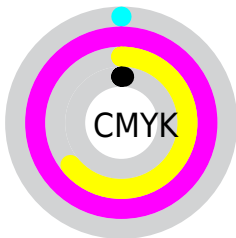
Distribution



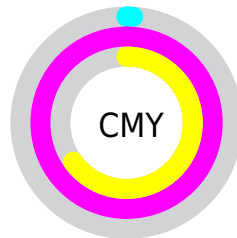
- Red (99%)
- Green (0%)
- Blue (35%)



- Red (99%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4336, 0.5597, 0.2857 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 21.4336, 0.5597, 0.2857 by changing the saturation by 10% instead.


 21.4336, 0.5597,
0.2857


 21.4336, 0.5597,
0.2857


259.5739, 0.4225,
0.3175


 13.4413, 0.5967,
0.2739


 45.8081, 0.5073,
0.3000


 7.7331, 0.6446,
0.2564


 62.9590, 0.4883,
0.3046


 3.9247, 0.7070,
0.2294

 83.9317, 0.4725,
0.3081

 1.6315, 0.8083,
0.1917

 109.1104, 0.4593,
0.3108

 0.3787, 0.9007,
0.0993

 138.8796, 0.4480,
0.3130

 0.0000, 1.0000,
0.0000

 173.6236, 0.4383,

 0.0000, 0.0000,

0.3148

0.0000

213.7270, 0.4299,
0.3162

■ 21.4336, 0.5597,
0.2857

■ 21.4336, 0.5597,
0.2857

■ 21.4318, 0.5598,
0.2857

■ 22.4475, 0.5302,
0.2761

■ 24.4338, 0.4973,
0.2709

■ 27.6744, 0.4635,
0.2709

■ 32.3420, 0.4313,
0.2752

■ 38.5816, 0.4023,
0.2823

■ 46.5201, 0.3772,
0.2913

■ 56.2715, 0.3561,
0.3009

■ 67.9397, 0.3387,
0.3107

■ 81.6208, 0.3244,
0.3201

Harmonies

Analogous

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



21.4336, 0.4231, 0.2134



21.4336, 0.5597, 0.2857



21.4336, 0.5913, 0.3650

Triad

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



21.4336, 0.5597, 0.2857



21.4336, 0.2913, 0.6176



21.4336, 0.1101, 0.1414

Complementary

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



21.4336, 0.5597, 0.2857



72.2301, 0.2591, 0.4527

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.



21.4336, 0.0932, 0.1877



21.4336, 0.5597, 0.2857



21.4336, 0.1789, 0.4995

Square

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



21.4336, 0.5597, 0.2857



21.4336, 0.4146, 0.5660



21.4336, 0.1114, 0.3044



21.4336, 0.1636, 0.1354

Rectangle

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



21.4336, 0.5597, 0.2857



21.4336, 0.5555, 0.4256



21.4336, 0.1114, 0.3044



21.4336, 0.1009, 0.1513

Sweetspot

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



21.4349, 0.5597, 0.2857



57.7469, 0.3563, 0.3009



14.4658, 0.2291, 0.1036



11.4065, 0.3647, 0.2967



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.



21.4349, 0.5597, 0.2857



22.0156, 0.5600, 0.2858



21.8207, 0.6302, 0.3378



17.3276, 0.3238, 0.3206



11.1900, 0.5554, 0.2833



1.0558, 0.5225, 0.2652

Inverse Universe

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



21.4349, 0.5597, 0.2857



22.0156, 0.5600, 0.2858



57.3836, 0.2126, 0.2854



17.3276, 0.3238, 0.3206



11.1900, 0.5554, 0.2833



1.0558, 0.5225, 0.2652

Previews

White Background



This preview shows how the Yxy color 21.4336, 0.5597, 0.2857 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 21.4336, 0.5597, 0.2857 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 21.4336, 0.5597, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 21.4336, 0.5597, 0.2857.



This preview shows how white text looks on a background with the Yxy color 21.4336, 0.5597, 0.2857.

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

21.4336, 0.5597, 0.2857

Protanopia

21.8501, 0.3107, 0.3219

Deuteranopia

21.7984, 0.4079, 0.4004



Tritanopia

21.6956, 0.6155, 0.3311

Trichromacy



Original Color

21.4336, 0.5597, 0.2857



Protanomaly

16.1679, 0.4037, 0.2765



Deuteranomaly

17.1497, 0.4857, 0.3232



Tritanomaly

21.3884, 0.6028, 0.3163

Monochromacy



Original Color

21.4336, 0.5597, 0.2857



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.5315, 0.4325, 0.2759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4336, 0.5597, 0.2857 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(252, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 21.4336, 0.5597, 0.2857 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(252, 0, 90) }
```

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

```
.border{ border-color:rgb(252, 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(252, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4336, 0.5597, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 90) }
```

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

```
.background{ background-color: rgb(252, 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](#).

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