

Converting Colors

$Y_{xy}(28.0158, 0.4465, 0.2541)$

Have a look what the booklet for
Yxy(28.0158, 0.4465, 0.2541)
contains.

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Color

Yxy(28.0664, 0.4466, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	FF4799
RGB	255, 71, 153
RGB Percent	100%, 28%, 60%
CMY	0.0000, 0.7217, 0.4000
CMYK	0.00, 0.72, 0.40, 0.00
HSL	333°, 100%, 64%
HSV	333°, 72%, 100%
XYZ	49.2513, 28.0664, 32.9629
YIQ	135.3640, 83.3420, 64.5100

Conversions

Conversions Part 2

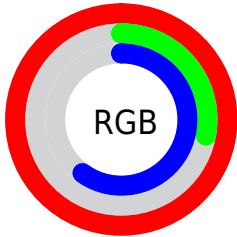
Format	Color
R _Y B	255, 71, 153
Decimal	16730009
CIE Lab	59.95, 74.24, -3.35
CIE LCh	60, 74.313, 357.419
Yxy	28.0664, 0.4466, 0.2545
Android (android.graphics.Color)	4294920089 (0xFFFF4799)
YUV	135.3640, 8.6945, 104.9208
Hunter-Lab	52.9777, 73.2333, 0.1940

Details

The Yxy color **28.0664, 0.4466, 0.2545** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **75.8739, 0.2645, 0.4373**, and the grayscale version is **24.3071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5401, 0.3636, 0.2540**, and **12.2968, 0.4845, 0.2442** is the 20% darker color. If you saturate the color by 10%, you get **25.0332, 0.4750, 0.2538**, and if you desaturate by 10%, it is **32.5067, 0.4193, 0.2598**.

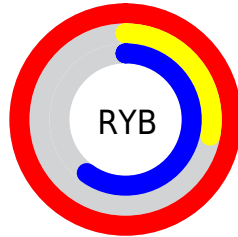
Distribution



Red (100%)

Green (28%)

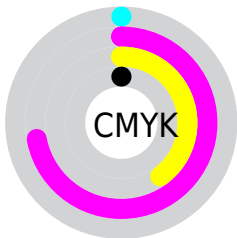
Blue (60%)



Red (100%)

Yellow (28%)

Blue (60%)

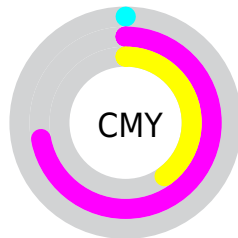


Cyan (0%)

Magenta (72%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0664, 0.4466, 0.2545 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 28.0664, 0.4466, 0.2545 by changing the saturation by 10% instead.


 28.0664, 0.4466,
0.2545


 28.0664, 0.4466,
0.2545


292.7841, 0.3753,
0.2936

 18.3757, 0.4657,
0.2442


 56.5904, 0.4197,
0.2691


 11.2201, 0.4908,
0.2308


 76.1926, 0.4099,
0.2745

 6.2151, 0.5252,
0.2126


 99.8673, 0.4017,
0.2790

 2.9763, 0.5748,
0.1869

 127.9991, 0.3948,
0.2828

 1.1194, 0.6505,
0.1486

 160.9722, 0.3889,
0.2861

 0.0000, 0.9070,
0.0000

199.1712, 0.3838,

 0.0000, 1.0000,

0.2889

0.0000

242.9803, 0.3793,
0.2914

■ 0.0000, 0.0000,
0.0000

■ 28.0664, 0.4466,
0.2545

■ 28.0664, 0.4466,
0.2545

■ 25.0332, 0.4750,
0.2538

■ 32.5067, 0.4193,
0.2598

■ 23.2334, 0.5029,
0.2586


■ 38.5187, 0.3944,
0.2686

■ 22.4676, 0.5234,
0.2657

■ 46.2319, 0.3726,
0.2795

■ 55.7651, 0.3540,
0.2914

■ 67.2265, 0.3384,
0.3035

 80.7156, 0.3254,
0.3154

 96.3252, 0.3148,
0.3267

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.0664, 0.3195, 0.1988



28.0664, 0.4466, 0.2545



28.0664, 0.5340, 0.3239

Triad

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



28.0664, 0.4466, 0.2545



28.0664, 0.3759, 0.5508



28.0664, 0.1246, 0.1938

Complementary

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



28.0664, 0.4466, 0.2545



75.8739, 0.2645, 0.4373

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.



28.0664, 0.1319, 0.2726



28.0664, 0.4466, 0.2545



28.0664, 0.2692, 0.5355

Square

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



28.0664, 0.4466, 0.2545



28.0664, 0.4738, 0.4835



28.0664, 0.1796, 0.4087



28.0664, 0.1508, 0.1636

Rectangle

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



28.0664, 0.4466, 0.2545



28.0664, 0.5457, 0.3740



28.0664, 0.1796, 0.4087



28.0664, 0.1231, 0.2137

Sweetspot

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



28.0627, 0.4466, 0.2545



67.4378, 0.3382, 0.3037



20.5141, 0.2418, 0.1328



13.7252, 0.3421, 0.3004



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.



28.0627, 0.4466, 0.2545



24.0234, 0.4887, 0.2555



27.4767, 0.5546, 0.3367



18.1217, 0.3224, 0.3184



11.7688, 0.5194, 0.2635



1.1675, 0.4912, 0.2479

Inverse Universe

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



28.0627, 0.4466, 0.2545



24.0234, 0.4887, 0.2555



74.3473, 0.2288, 0.3177



18.1217, 0.3224, 0.3184



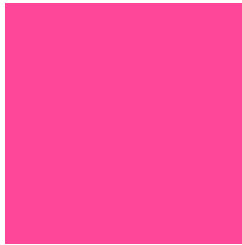
11.7688, 0.5194, 0.2635



1.1675, 0.4912, 0.2479

Previews

White Background



This preview shows how the Yxy color 28.0664, 0.4466, 0.2545 looks on a white background.

Color Contrast Check

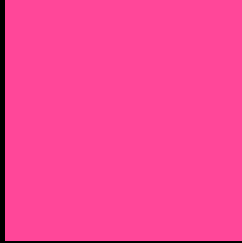
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0664, 0.4466, 0.2545 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 28.0664, 0.4466, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 28.0664, 0.4466, 0.2545.



This preview shows how white text looks on a background with the Yxy color 28.0664, 0.4466, 0.2545.

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

28.0664, 0.4466, 0.2545

Protanopia

28.3576, 0.2517, 0.2458

Deuteranopia

28.1407, 0.3294, 0.3229



Tritanopia

28.0983, 0.5223, 0.3252

Trichromacy



Original Color

28.0664, 0.4466, 0.2545



Protanomaly

25.0986, 0.3079, 0.2396



Deuteranomaly

25.8374, 0.3726, 0.2861



Tritanomaly

27.7952, 0.4972, 0.2996

Monochromacy



Original Color

28.0664, 0.4466, 0.2545



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.1250, 0.3617, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0664, 0.4466, 0.2545 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, 71, 153)` looks like.

```
.text, #text, p{  
  color:rgb(255, 71, 153)  
}
```

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, 71, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 153) }
```

Border

The CSS property to change the border of an element to Yxy 28.0664, 0.4466, 0.2545 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, 71, 153) }
```

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

```
.border{ border-color:rgb(255, 71, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0664, 0.4466, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 153) }
```

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

```
.background{ background-color: rgb(255, 71,  
153) }
```

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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