

Converting Colors

$Y_{xy}(28.5174, 0.4582, 0.2673)$

Have a look what the booklet for
Yxy(28.5174, 0.4582, 0.2673)
contains.

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Color

Yxy(28.5814, 0.4580, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	FF4D90
RGB	255, 77, 144
RGB Percent	100%, 30%, 56%
CMY	0.0000, 0.6981, 0.4352
CMYK	0.00, 0.70, 0.44, 0.00
HSL	337°, 100%, 65%
HSV	337°, 70%, 100%
XYZ	48.9356, 28.5814, 29.3293
YIQ	137.8600, 84.5810, 58.5730

Conversions

Conversions Part 2

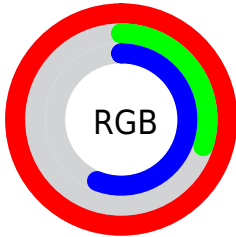
Format	Color
R_{YB}	255, 77, 144
Decimal	16731536
CIE _{Lab}	60.41, 71.39, 2.58
CIE _{LCh}	60, 71.434, 2.068
Yxy	28.5814, 0.4580, 0.2675
Android (android.graphics.Color)	4294921616 (0xFFFF4D90)
YUV	137.8600, 3.0270, 102.7318
Hunter-Lab	53.4616, 69.8308, 4.8963

Details

The Yxy color **28.5814, 0.4580, 0.2675** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **76.7258, 0.2596, 0.4160**, and the grayscale version is **25.3178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2285, 0.3723, 0.2665**, and **12.1456, 0.5021, 0.2540** is the 20% darker color. If you saturate the color by 10%, you get **25.2310, 0.4906, 0.2671**, and if you desaturate by 10%, it is **33.3914, 0.4270, 0.2722**.

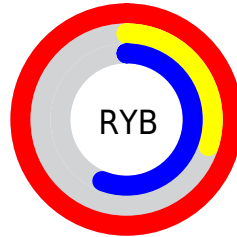
Distribution



Red (100%)

Green (30%)

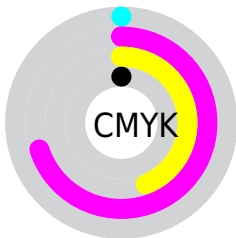
Blue (56%)



Red (100%)

Yellow (30%)

Blue (56%)

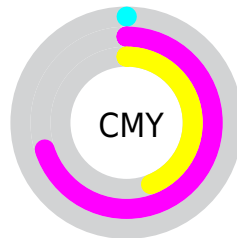


Cyan (0%)

Magenta (70%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (70%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5814, 0.4580, 0.2675 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 28.5814, 0.4580, 0.2675 by changing the saturation by 10% instead.


 28.5814, 0.4580,
0.2675


 28.5814, 0.4580,
0.2675


295.2347, 0.3802,
0.3009


 18.7644, 0.4789,
0.2584


 57.4113, 0.4286,
0.2803


 11.5002, 0.5065,
0.2462


 77.1931, 0.4179,
0.2849

 6.4043, 0.5444,
0.2293


 101.0651, 0.4089,
0.2887

 3.0924, 0.5989,
0.2046

 129.4120, 0.4014,
0.2919

 1.1802, 0.6814,
0.1664

162.6180, 0.3950,
0.2947

 0.0454, 0.9796,
0.0204

201.0675, 0.3894,

 0.0000, 1.0000,

0.2970

0.0000

245.1449, 0.3845,
0.2991

■ 0.0000, 0.0000,
0.0000

■ 28.5814, 0.4580,
0.2675

■ 28.5814, 0.4580,
0.2675

■ 25.2310, 0.4906,
0.2671

■ 33.3914, 0.4270,
0.2722

■ 23.1725, 0.5226,
0.2719

■ 39.8189, 0.3991,
0.2799

■ 22.1208, 0.5517,
0.2814

■ 47.9910, 0.3749,
0.2893

■ 22.1051, 0.5522,
0.2815

■ 58.0247, 0.3546,
0.2995

■ 70.0266, 0.3377,
0.3098

 84.0952, 0.3239,
0.3198

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.



28.5814, 0.3382, 0.2103



28.5814, 0.4580, 0.2675



28.5814, 0.5309, 0.3367

Triad

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



28.5814, 0.4580, 0.2675



28.5814, 0.3597, 0.5463



28.5814, 0.1322, 0.1919

Complementary

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



28.5814, 0.4580, 0.2675



76.7258, 0.2596, 0.4160

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.



28.5814, 0.1345, 0.2602



28.5814, 0.4580, 0.2675



28.5814, 0.2569, 0.5117

Square

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



28.5814, 0.4580, 0.2675



28.5814, 0.4566, 0.4919



28.5814, 0.1749, 0.3830



28.5814, 0.1631, 0.1677

Rectangle

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



28.5814, 0.4580, 0.2675



28.5814, 0.5347, 0.3864



28.5814, 0.1749, 0.3830



28.5814, 0.1292, 0.2089

Sweetspot

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



28.5783, 0.4580, 0.2675



68.4968, 0.3396, 0.3086



23.0584, 0.2554, 0.1431



13.9228, 0.3440, 0.3058



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.



28.5783, 0.4580, 0.2675



24.2240, 0.5042, 0.2684



30.4831, 0.5342, 0.3471



18.1002, 0.3235, 0.3201



11.5770, 0.5479, 0.2792



1.1476, 0.5170, 0.2622

Inverse Universe

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



28.5783, 0.4580, 0.2675



24.2240, 0.5042, 0.2684



67.7736, 0.2265, 0.3034



18.1002, 0.3235, 0.3201



11.5770, 0.5479, 0.2792



1.1476, 0.5170, 0.2622

Previews

White Background



This preview shows how the Yxy color 28.5814, 0.4580, 0.2675 looks on a white background.

Color Contrast Check

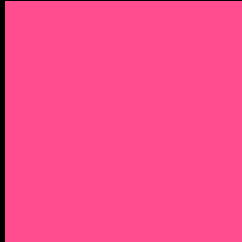
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5814, 0.4580, 0.2675 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 28.5814, 0.4580, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 28.5814, 0.4580, 0.2675.



This preview shows how white text looks on a background with the Yxy color 28.5814, 0.4580, 0.2675.

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

28.5814, 0.4580, 0.2675

Protanopia

28.6414, 0.2695, 0.2682

Deuteranopia

28.6915, 0.3444, 0.3383



Tritanopia

28.6484, 0.5192, 0.3252

Trichromacy



Original Color

28.5814, 0.4580, 0.2675



Protanomaly

25.8812, 0.3274, 0.2610



Deuteranomaly

26.6622, 0.3868, 0.3025



Tritanomaly

28.5495, 0.4987, 0.3050

Monochromacy



Original Color

28.5814, 0.4580, 0.2675



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.2080, 0.3656, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5814, 0.4580, 0.2675 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, 77, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 144)  
}
```

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, 77, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 144) }
```

Border

The CSS property to change the border of an element to Yxy 28.5814, 0.4580, 0.2675 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, 77, 144) }
```

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

```
.border{ border-color:rgb(255, 77, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 77, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 77, 144); box-shadow:4px 4px 4px 4px rgb(255, 77, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5814, 0.4580, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 144) }
```

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

```
.background{ background-color: rgb(255, 77,  
144) }
```

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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