

Converting Colors

$Y_{xy}(28.5054, 0.4042, 0.2429)$

Have a look what the booklet for
Yxy(28.5054, 0.4042, 0.2429)
contains.

Yxy(28.6505, 0.4043, 0.2431)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6505, 0.4043, 0.2431)

Conversions

Conversions Part 1

Format	Color
Hex	F356AB
RGB	243, 86, 171
RGB Percent	95%, 34%, 67%
CMY	0.0470, 0.6628, 0.3293
CMYK	0.00, 0.65, 0.30, 0.05
HSL	328°, 87%, 65%
HSV	328°, 65%, 95%
XYZ	47.6487, 28.6505, 41.5556
YIQ	142.6330, 66.2870, 59.7190

Conversions

Conversions Part 2

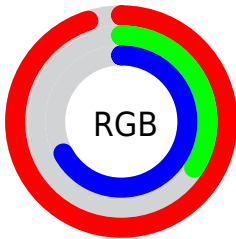
Format	Color
R _Y B	243, 86, 171
Decimal	15947435
CIE Lab	60.47, 67.58, -13.22
CIE LCh	60, 68.860, 348.927
Yxy	28.6505, 0.4043, 0.2431
Android (android.graphics.Color)	4294137515 (0xFFFF356AB)
YUV	142.6330, 13.9849, 88.0219
Hunter-Lab	53.5262, 65.2289, -8.5621

Details

The Yxy color **28.6505, 0.4043, 0.2431** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **68.5624, 0.2732, 0.4453**, and the grayscale version is **27.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6975, 0.3433, 0.2468**, and **11.5729, 0.4330, 0.2184** is the 20% darker color. If you saturate the color by 10%, you get **25.0029, 0.4260, 0.2366**, and if you desaturate by 10%, it is **33.6554, 0.3842, 0.2533**.

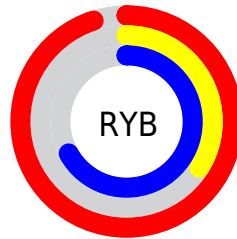
Distribution



Red (95%)

Green (34%)

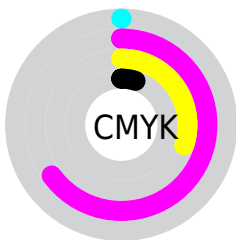
Blue (67%)



Red (95%)

Yellow (34%)

Blue (67%)

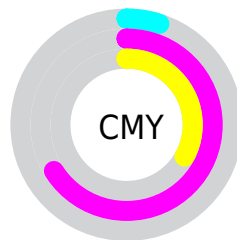


Cyan (0%)

Magenta (65%)

Yellow (30%)

Black (5%)



Cyan (5%)


Magenta (66%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6505, 0.4043, 0.2431 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 28.6505, 0.4043, 0.2431 by changing the saturation by 10% instead.


 28.6505, 0.4043,
0.2431


 28.6505, 0.4043,
0.2431


295.5623, 0.3566,
0.2864

 18.8166, 0.4167,
0.2323


 57.5213, 0.3866,
0.2589


 11.5378, 0.4330,
0.2184


 77.3270, 0.3800,
0.2648

 6.4298, 0.4551,
0.2002


 101.2255, 0.3745,
0.2698

 3.1082, 0.4867,
0.1752

 129.6010, 0.3699,
0.2741

 1.1885, 0.5349,
0.1394

162.8381, 0.3659,
0.2778

 0.0522, 0.6619,
0.0171

201.3211, 0.3624,

 0.0000, 1.0000,

0.2810

0.0000

245.4344, 0.3593,
0.2839

0.0000, 0.0000,
0.0000

28.6505, 0.4043,
0.2431

28.6505, 0.4043,
0.2431

25.0029, 0.4260,
0.2366

33.6554, 0.3842,
0.2533

22.5671, 0.4483,
0.2350

40.1343, 0.3662,
0.2661


21.1721, 0.4702,
0.2389


48.1966, 0.3505,
0.2802

20.7144, 0.4817,
0.2427

57.9397, 0.3372,
0.2947

69.4534, 0.3259,
0.3091

 82.8208, 0.3165,
0.3229

 97.4201, 0.3087,
0.3348

 97.7994, 0.3054,
0.3290

Harmonies

Analogous

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



28.6505, 0.2883, 0.1956



28.6505, 0.4043, 0.2431



28.6505, 0.5013, 0.3071

Triad

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



28.6505, 0.4043, 0.2431



28.6505, 0.4029, 0.5233



28.6505, 0.1339, 0.2194

Complementary

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



28.6505, 0.4043, 0.2431



68.5624, 0.2732, 0.4453

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.



28.6505, 0.1519, 0.3094



28.6505, 0.4043, 0.2431



28.6505, 0.3028, 0.5328

Square

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



28.6505, 0.4043, 0.2431



28.6505, 0.4871, 0.4554



28.6505, 0.2103, 0.4404



28.6505, 0.1499, 0.1783

Rectangle

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



28.6505, 0.4043, 0.2431



28.6505, 0.5289, 0.3542



28.6505, 0.2103, 0.4404



28.6505, 0.1359, 0.2434

Sweetspot

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



28.6520, 0.4043, 0.2431



71.5388, 0.3306, 0.3028



20.2571, 0.2372, 0.1441



14.5348, 0.3339, 0.2986



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.



28.6520, 0.4043, 0.2431



26.7713, 0.4339, 0.2354



26.5161, 0.5143, 0.3223



16.6326, 0.3209, 0.3163



11.3936, 0.4785, 0.2409



1.0221, 0.4533, 0.2271

Inverse Universe

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



28.6520, 0.4043, 0.2431



26.7713, 0.4339, 0.2354



72.1026, 0.2391, 0.3385



16.6326, 0.3209, 0.3163



11.3936, 0.4785, 0.2409



1.0221, 0.4533, 0.2271

Previews

White Background



This preview shows how the Yxy color 28.6505, 0.4043, 0.2431 looks on a white background.

Color Contrast Check

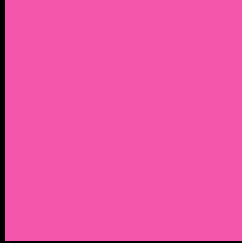
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6505, 0.4043, 0.2431 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 28.6505, 0.4043, 0.2431

Background



This preview shows how black text looks on a background with the Yxy color 28.6505, 0.4043, 0.2431.



This preview shows how white text looks on a background with the Yxy color 28.6505, 0.4043, 0.2431.

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

28.6505, 0.4043, 0.2431

Protanopia

28.9851, 0.2405, 0.2311

Deuteranopia

28.7627, 0.3038, 0.2970



Tritanopia

28.5672, 0.4808, 0.3223

Trichromacy



Original Color

28.6505, 0.4043, 0.2431



Protanomaly

26.4126, 0.2861, 0.2283



Deuteranomaly

27.1113, 0.3385, 0.2692



Tritanomaly

28.5297, 0.4540, 0.2929

Monochromacy



Original Color

28.6505, 0.4043, 0.2431



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.8027, 0.3456, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6505, 0.4043, 0.2431 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(243, 86, 171)` looks like.

```
.text, #text, p{  
    color:rgb(243, 86, 171)  
}
```

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(243, 86, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 86, 171) }
```

Border

The CSS property to change the border of an element to Yxy 28.6505, 0.4043, 0.2431 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(243, 86, 171) }
```

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

```
.border{ border-color:rgb(243, 86, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 86, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 86, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 86, 171);  
box-shadow:4px 4px 4px 4px rgb(243, 86,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6505, 0.4043, 0.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 86, 171) }
```

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

```
.background{ background-color: rgb(243, 86,  
171) }
```

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