

Converting Colors

$Y_{xy}(28.1752, 0.4145, 0.2291)$

Have a look what the booklet for
Yxy(28.1752, 0.4145, 0.2291)
contains.

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Color

Yxy(28.1752, 0.4145, 0.2291)

Conversions

Conversions Part 1

Format	Color
Hex	FF41B0
RGB	255, 65, 176
RGB Percent	100%, 25%, 69%
CMY	0.0000, 0.7453, 0.3098
CMYK	0.00, 0.75, 0.31, 0.00
HSL	325°, 100%, 63%
HSV	325°, 75%, 100%
XYZ	50.9761, 28.1752, 43.8308
YIQ	134.4640, 77.6090, 74.8010

Conversions

Conversions Part 2

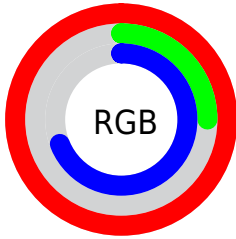
Format	Color
R _Y B	255, 65, 176
Decimal	16728496
CIE Lab	60.05, 78.45, -16.56
CIE LCh	60, 80.178, 348.081
Yxy	28.1752, 0.4145, 0.2291
Android (android.graphics.Color)	4294918576 (0xFFFF41B0)
YUV	134.4640, 20.4772, 105.7101
Hunter-Lab	53.0803, 78.5333, -11.8022

Details

The Yxy color **28.1752, 0.4145, 0.2291** 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 **74.6544, 0.2752, 0.4782**, and the grayscale version is **23.9118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7867, 0.3392, 0.2280**, and **12.7675, 0.4394, 0.2194** is the 20% darker color. If you saturate the color by 10%, you get **25.4729, 0.4342, 0.2266**, and if you desaturate by 10%, it is **32.2209, 0.3953, 0.2365**.

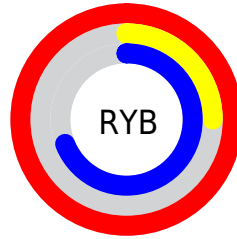
Distribution



Red (100%)

Green (25%)

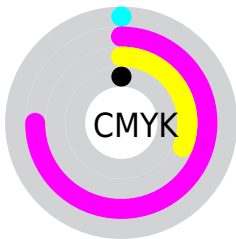
Blue (69%)



Red (100%)

Yellow (25%)

Blue (69%)

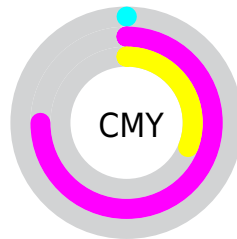


Cyan (0%)

Magenta (75%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1752, 0.4145, 0.2291 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 28.1752, 0.4145, 0.2291 by changing the saturation by 10% instead.


 28.1752, 0.4145,
0.2291


 28.1752, 0.4145,
0.2291

293.3031, 0.3620,
0.2788


 18.4578, 0.4280,
0.2170


 56.7640, 0.3951,
0.2470

 11.2791, 0.4455,
0.2016


 76.4042, 0.3879,
0.2537

 6.2549, 0.4691,
0.1817


 100.1208, 0.3818,
0.2595

 3.0007, 0.5022,
0.1550

 128.2981, 0.3767,
0.2644

 1.1321, 0.5513,
0.1183

 161.3207, 0.3722,
0.2687

 0.0052, 0.6741,
0.0014

199.5727, 0.3684,


 0.0000, 1.0000,


0.2725


0.0000

243.4388, 0.3650,
0.2758


 0.0000, 0.0000,
0.0000


 28.1752, 0.4145,
0.2291


 28.1752, 0.4145,
0.2291


 25.4729, 0.4342,
0.2266


 32.2209, 0.3953,
0.2365


 23.9332, 0.4535,
0.2295

 37.7818, 0.3774,
0.2476


 23.4303, 0.4639,
0.2329

 44.9896, 0.3613,
0.2614

 53.9652, 0.3472,
0.2765

 64.8180, 0.3350,
0.2921

 77.6487, 0.3247,
0.3076

 92.5504, 0.3161,
0.3225

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.



28.1752, 0.2797, 0.1782



28.1752, 0.4145, 0.2291



28.1752, 0.5298, 0.2977

Triad

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



28.1752, 0.4145, 0.2291



28.1752, 0.4099, 0.5465



28.1752, 0.1133, 0.2036

Complementary

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



28.1752, 0.4145, 0.2291



74.6544, 0.2752, 0.4782

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.



28.1752, 0.1317, 0.3064



28.1752, 0.4145, 0.2291



28.1752, 0.2980, 0.5729

Square

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



28.1752, 0.4145, 0.2291



28.1752, 0.5072, 0.4603



28.1752, 0.1951, 0.4663



28.1752, 0.1300, 0.1598

Rectangle

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



28.1752, 0.4145, 0.2291



28.1752, 0.5607, 0.3478



28.1752, 0.1951, 0.4663



28.1752, 0.1152, 0.2302

Sweetspot

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



28.1707, 0.4145, 0.2291



67.8690, 0.3323, 0.2961



16.6563, 0.2151, 0.1159



13.8269, 0.3352, 0.2918



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.



28.1707, 0.4145, 0.2291



24.6544, 0.4429, 0.2272



25.6752, 0.5496, 0.3155



18.1652, 0.3202, 0.3152



12.2733, 0.4609, 0.2313



1.2168, 0.4405, 0.2200

Inverse Universe

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



28.1707, 0.4145, 0.2291



24.6544, 0.4429, 0.2272



78.6983, 0.2375, 0.3521



18.1652, 0.3202, 0.3152



12.2733, 0.4609, 0.2313



1.2168, 0.4405, 0.2200

Previews

White Background



This preview shows how the Yxy color 28.1752, 0.4145, 0.2291 looks on a white background.

Color Contrast Check

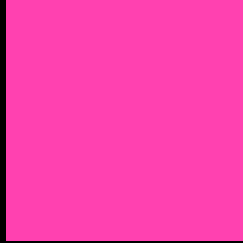
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1752, 0.4145, 0.2291 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 28.1752, 0.4145, 0.2291

Background



This preview shows how black text looks on a background with the Yxy color 28.1752, 0.4145, 0.2291.



This preview shows how white text looks on a background with the Yxy color 28.1752, 0.4145, 0.2291.

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

28.1752, 0.4145, 0.2291

Protanopia

28.4950, 0.2211, 0.2055

Deuteranopia

28.1925, 0.2969, 0.2907



Tritanopia

28.0926, 0.5168, 0.3251

Trichromacy



Original Color

28.1752, 0.4145, 0.2291



Protanomaly

24.5243, 0.2694, 0.2010



Deuteranomaly

25.4039, 0.3375, 0.2529



Tritanomaly

27.7018, 0.4824, 0.2887

Monochromacy



Original Color

28.1752, 0.4145, 0.2291



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.5722, 0.3521, 0.2717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1752, 0.4145, 0.2291 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, 65, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 176)  
}
```

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, 65, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 176) }
```

Border

The CSS property to change the border of an element to Yxy 28.1752, 0.4145, 0.2291 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, 65, 176) }
```

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

```
.border{ border-color:rgb(255, 65, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 65, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1752, 0.4145, 0.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 176) }
```

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

```
.background{ background-color: rgb(255, 65,  
176) }
```

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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