

Converting Colors

$Y_{xy}(28.1637, 0.4121, 0.2208)$

Have a look what the booklet for
Yxy(28.1637, 0.4121, 0.2208)
contains.

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Color

Yxy(27.3698, 0.4075, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	FF37B6
RGB	255, 55, 182
RGB Percent	100%, 22%, 71%
CMY	0.0001, 0.7841, 0.2863
CMYK	0.00, 0.78, 0.29, 0.00
HSL	322°, 100%, 61%
HSV	322°, 78%, 100%
XYZ	51.0444, 27.3698, 46.8481
YIQ	129.2780, 78.4330, 81.8970

Conversions

Conversions Part 2

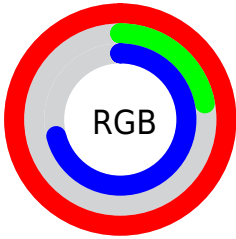
Format	Color
R _Y B	255, 55, 182
Decimal	16725942
CIE Lab	59.32, 81.78, -21.13
CIE LCh	59, 84.471, 345.511
Yxy	27.3698, 0.4075, 0.2185
Android (android.graphics.Color)	4294916022 (0xFFFF37B6)
YUV	129.2780, 25.9919, 110.2582
Hunter-Lab	52.3162, 82.6074, -16.4717

Details

The Yxy color **27.3698, 0.4075, 0.2185** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **73.8811, 0.2793, 0.5004**, and the grayscale version is **21.9511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3521, 0.3340, 0.2171**, and **12.9224, 0.4271, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **25.1678, 0.4241, 0.2169**, and if you desaturate by 10%, it is **30.8500, 0.3910, 0.2251**.

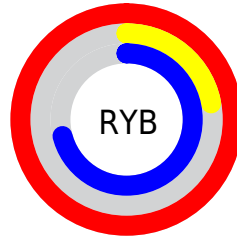
Distribution



Red (100%)

Green (22%)

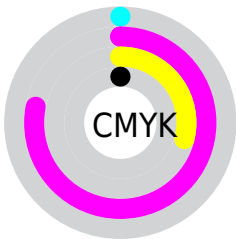
Blue (71%)



Red (100%)

Yellow (22%)

Blue (71%)

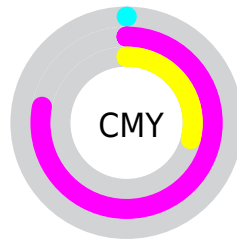


Cyan (0%)

Magenta (78%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3698, 0.4075, 0.2185 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 27.3698, 0.4075, 0.2185 by changing the saturation by 10% instead.


 27.3698, 0.4075,
0.2185


 27.3698, 0.4075,
0.2185


289.4432, 0.3592,
0.2728


 17.8511, 0.4197,
0.2055


 55.4767, 0.3898,
0.2379

 10.8432, 0.4355,
0.1891


 74.8338, 0.3832,
0.2453

 5.9615, 0.4564,
0.1682


 98.2391, 0.3776,
0.2516

 2.8217, 0.4853,
0.1406

 126.0770, 0.3728,
0.2570

 1.0394, 0.5274,
0.1036

 158.7320, 0.3687,
0.2617

 0.0000, 0.6267,
0.0000

196.5884, 0.3651,

 0.0000, 0.8215,

0.2658

0.0000

240.0307, 0.3620,
0.2695

■ 0.0000, 0.0000,
0.0000

■ 27.3698, 0.4075,
0.2185

■ 27.3698, 0.4075,
0.2185

■ 25.1678, 0.4241,
0.2169

■ 30.8500, 0.3910,
0.2251

■ 24.0026, 0.4402,
0.2205

■ 35.7737, 0.3753,
0.2360

■ 23.8616, 0.4428,
0.2213

■ 42.2859, 0.3608,
0.2499

■ 50.5126, 0.3478,
0.2658

■ 60.5671, 0.3365,
0.2825

72.5528, 0.3268,
0.2994

86.5656, 0.3186,
0.3158

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



27.3698, 0.2665, 0.1682



27.3698, 0.4075, 0.2185



27.3698, 0.5354, 0.2879

Triad

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



27.3698, 0.4075, 0.2185



27.3698, 0.4201, 0.5488



27.3698, 0.1053, 0.2026

Complementary

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



27.3698, 0.4075, 0.2185



73.8811, 0.2793, 0.5004

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.



27.3698, 0.1265, 0.3163



27.3698, 0.4075, 0.2185



27.3698, 0.3040, 0.5921

Square

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



27.3698, 0.4075, 0.2185



27.3698, 0.5211, 0.4538



27.3698, 0.1953, 0.4909



27.3698, 0.1197, 0.1541

Rectangle

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



27.3698, 0.4075, 0.2185



27.3698, 0.5727, 0.3386



27.3698, 0.1953, 0.4909



27.3698, 0.1079, 0.2318

Sweetspot

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



27.3713, 0.4075, 0.2185



65.6184, 0.3321, 0.2900



14.3184, 0.2019, 0.1037



13.1667, 0.3356, 0.2839



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.



27.3713, 0.4075, 0.2185



24.4187, 0.4332, 0.2184



24.6504, 0.5536, 0.3084



18.1812, 0.3194, 0.3140



12.5000, 0.4402, 0.2199



1.2381, 0.4229, 0.2104

Inverse Universe

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



27.3713, 0.4075, 0.2185



24.4187, 0.4332, 0.2184



77.7574, 0.2399, 0.3664



18.1812, 0.3194, 0.3140



12.5000, 0.4402, 0.2199



1.2381, 0.4229, 0.2104

Previews

White Background



This preview shows how the Yxy color 27.3698, 0.4075, 0.2185 looks on a white background.

Color Contrast Check

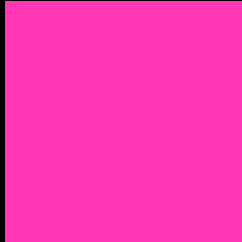
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3698, 0.4075, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

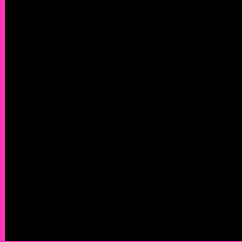
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.3698, 0.4075, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 27.3698, 0.4075, 0.2185.



This preview shows how white text looks on a background with the Yxy color 27.3698, 0.4075, 0.2185.

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

27.3698, 0.4075, 0.2185

Protanopia

27.8845, 0.2078, 0.1884

Deuteranopia

27.5361, 0.2864, 0.2811



Tritanopia

27.3502, 0.5232, 0.3261

Trichromacy



Original Color

27.3698, 0.4075, 0.2185



Protanomaly

23.1263, 0.2536, 0.1830



Deuteranomaly

24.2228, 0.3275, 0.2406



Tritanomaly

26.9714, 0.4861, 0.2858

Monochromacy



Original Color

27.3698, 0.4075, 0.2185



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7548, 0.3512, 0.2624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3698, 0.4075, 0.2185 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, 55, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 182)  
}
```

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, 55, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 182) }
```

Border

The CSS property to change the border of an element to Yxy 27.3698, 0.4075, 0.2185 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, 55, 182) }
```

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

```
.border{ border-color:rgb(255, 55, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 55, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
182) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.3698, 0.4075, 0.2185$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 182) }
```

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

```
.background{ background-color: rgb(255, 55,  
182) }
```

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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