

Converting Colors

$Y_{xy}(27.0732, 0.3298, 0.1713)$

Have a look what the booklet for
Yxy(27.0732, 0.3298, 0.1713)
contains.

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Color

Yxy(27.0732, 0.3298, 0.1713)

Conversions

Conversions Part 1

Format	Color
Hex	F135E8
RGB	241, 53, 232
RGB Percent	95%, 21%, 91%
CMY	0.0548, 0.7924, 0.0901
CMYK	0.00, 0.78, 0.04, 0.05
HSL	303°, 87%, 58%
HSV	303°, 78%, 95%
XYZ	52.1234, 27.0732, 78.8489
YIQ	129.6180, 54.5890, 95.5250

Conversions

Conversions Part 2

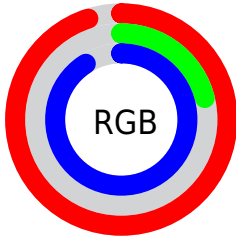
Format	Color
R _Y B	241, 53, 232
Decimal	15807976
CIE Lab	59.04, 85.81, -50.22
CIE LCh	59, 99.420, 329.661
Yxy	27.0732, 0.3298, 0.1713
Android (android.graphics.Color)	4293998056 (0xFFFF135E8)
YUV	129.6180, 50.4743, 97.6820
Hunter-Lab	52.0319, 87.7581, -53.4254

Details

The Yxy color **27.0732, 0.3298, 0.1713** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **64.0260, 0.2992, 0.5669**, and the grayscale version is **21.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **12.8379, 0.3265, 0.1572** is the 20% darker color. If you saturate the color by 10%, you get **25.3389, 0.3316, 0.1643**, and if you desaturate by 10%, it is **29.9136, 0.3278, 0.1827**.

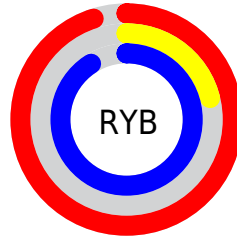
Distribution



Red (95%)

Green (21%)

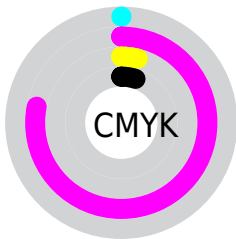
Blue (91%)



Red (95%)

Yellow (21%)

Blue (91%)

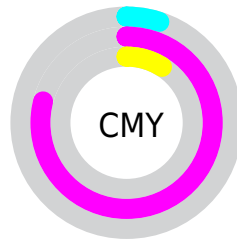


Cyan (0%)

Magenta (78%)

Yellow (4%)

Black (5%)



Cyan (5%)


Magenta (79%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0732, 0.3298, 0.1713 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 27.0732, 0.3298, 0.1713 by changing the saturation by 10% instead.


 27.0732, 0.3298,
0.1713


 27.0732, 0.3298,
0.1713


288.0114, 0.3254,
0.2433


 17.6282, 0.3297,
0.1557


 55.0013, 0.3291,
0.1957

 10.6834, 0.3290,
0.1371


 74.2532, 0.3286,
0.2054

 5.8544, 0.3271,
0.1148


 97.5429, 0.3280,
0.2138

 2.7567, 0.3229,
0.0881

 125.2547, 0.3275,
0.2212

 1.0061, 0.3138,
0.0571

 157.7730, 0.3269,
0.2277

 0.0000, 0.3019,
0.0000

195.4824, 0.3264,

 0.0000, 0.2536,

0.2335


0.0000


238.7670, 0.3259,
0.2386


 0.0000, 0.0000,
0.0000


 27.0732, 0.3298,
0.1713


 27.0732, 0.3298,
0.1713


 25.3389, 0.3316,
0.1643


 29.9136, 0.3278,
0.1827


 24.5058, 0.3332,
0.1614


 34.0020, 0.3255,
0.1982

 24.3901, 0.3335,
0.1611

 39.4634, 0.3232,
0.2172

 46.4067, 0.3208,
0.2389

 54.9297, 0.3185,
0.2622

 65.1220, 0.3163,
0.2863

 77.0665, 0.3142,
0.3103

 90.8404, 0.3124,
0.3335

 96.6594, 0.3113,
0.3414

Harmonies

Analogous

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



27.0732, 0.1937, 0.1333



27.0732, 0.3298, 0.1713



27.0732, 0.5024, 0.2365

Triad

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



27.0732, 0.3298, 0.1713



27.0732, 0.4871, 0.5097



27.0732, 0.0883, 0.2360

Complementary

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



27.0732, 0.3298, 0.1713



64.0260, 0.2992, 0.5669

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.



27.0732, 0.1322, 0.4184



27.0732, 0.3298, 0.1713



27.0732, 0.3578, 0.6175

Square

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



27.0732, 0.3298, 0.1713



27.0732, 0.5845, 0.3989



27.0732, 0.2318, 0.6149



27.0732, 0.0870, 0.1519

Rectangle

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



27.0732, 0.3298, 0.1713



27.0732, 0.5853, 0.2872



27.0732, 0.2318, 0.6149



27.0732, 0.0971, 0.2848

Sweetspot

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



27.0745, 0.3298, 0.1713



67.9388, 0.3174, 0.2741



9.8303, 0.1680, 0.0870



13.6713, 0.3182, 0.2654



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.



27.0745, 0.3298, 0.1713



28.1144, 0.3326, 0.1621



23.1609, 0.4561, 0.2495



16.0176, 0.3145, 0.3068



13.2294, 0.3332, 0.1609



1.1046, 0.3315, 0.1600

Inverse Universe

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



27.0745, 0.3298, 0.1713



28.1144, 0.3326, 0.1621



65.9873, 0.2657, 0.4531



16.0176, 0.3145, 0.3068



13.2294, 0.3332, 0.1609



1.1046, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 27.0732, 0.3298, 0.1713 looks on a white background.

Color Contrast Check

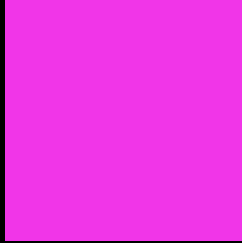
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0732, 0.3298, 0.1713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

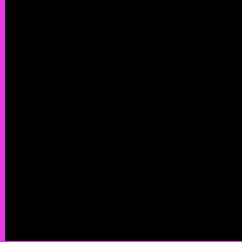
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0732, 0.3298, 0.1713

Background



This preview shows how black text looks on a background with the Yxy color 27.0732, 0.3298, 0.1713.

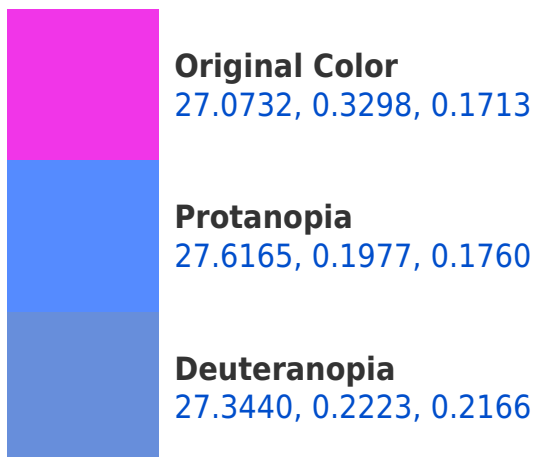


This preview shows how white text looks on a background with the Yxy color 27.0732, 0.3298, 0.1713.

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





Tritanopia

26.8841, 0.4711, 0.3218

Trichromacy



Original Color

27.0732, 0.3298, 0.1713



Protanomaly

23.1913, 0.2262, 0.1575



Deuteranomaly

23.3060, 0.2498, 0.1810



Tritanomaly

25.9642, 0.4194, 0.2561

Monochromacy



Original Color

27.0732, 0.3298, 0.1713



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.8388, 0.3208, 0.2362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0732, 0.3298, 0.1713 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(241, 53, 232)` looks like.

```
.text, #text, p{  
    color:rgb(241, 53, 232)  
}
```

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(241, 53, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 53, 232) }
```

Border

The CSS property to change the border of an element to Yxy 27.0732, 0.3298, 0.1713 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(241, 53, 232) }
```

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

```
.border{ border-color:rgb(241, 53, 232) }
```

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

Here you see how a box with a 4 pixel rgb(241, 53, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 53, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 53, 232);  
box-shadow:4px 4px 4px 4px rgb(241, 53,  
232) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.0732, 0.3298, 0.1713$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 53, 232) }
```

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

```
.background{ background-color: rgb(241, 53,  
232) }
```

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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