

Converting Colors

Yxy(27.3619, 0.3401, 0.1647)

Have a look what the booklet for
Yxy(27.3619, 0.3401, 0.1647)
contains.

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Color

Yxy(27.3744, 0.3399, 0.1646)

Conversions

Conversions Part 1

Format	Color
Hex	FF00ED
RGB	255, 0, 237
RGB Percent	100%, 0%, 93%
CMY	0.0000, 1.0000, 0.0707
CMYK	0.00, 1.00, 0.07, 0.00
HSL	304°, 100%, 50%
HSV	304°, 100%, 100%
XYZ	56.5283, 27.3744, 82.4059
YIQ	103.2630, 75.9030, 127.7670

Conversions

Conversions Part 2

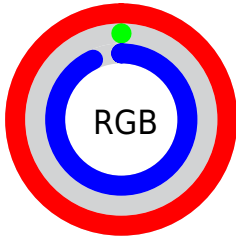
Format	Color
RYB	255, 0, 237
Decimal	16711917
CIELab	59.32, 95.83, -52.40
CIElCh	59, 109.220, 331.329
Yxy	27.3744, 0.3399, 0.1646
Android (android.graphics.Color)	4294901997 (0xFFFF00ED)
YUV	103.2630, 65.9323, 133.0733
Hunter-Lab	52.3206, 101.2945, -56.7586

Details

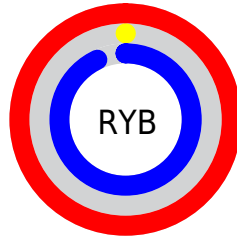
The Yxy color **27.3744, 0.3399, 0.1646** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **71.5638, 0.2991, 0.5967**, and the grayscale version is **13.4433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **14.6327, 0.3386, 0.1639** is the 20% darker color. If you saturate the color by 10%, you get **27.3730, 0.3399, 0.1646**, and if you desaturate by 10%, it is **28.1957, 0.3376, 0.1666**.

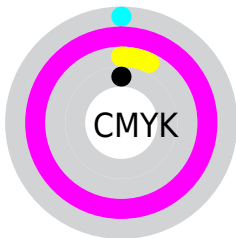
Distribution



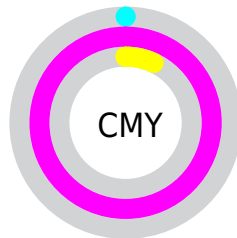
- Red (100%)
- Green (0%)
- Blue (93%)



- Red (100%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3744, 0.3399, 0.1646 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 27.3744, 0.3399, 0.1646 by changing the saturation by 10% instead.

 27.3744, 0.3399,
0.1646


 27.3744, 0.3399,
0.1646


289.4654, 0.3309,
0.2384


 17.8546, 0.3409,
0.1489


 55.4841, 0.3376,
0.1894

 10.8457, 0.3415,
0.1304


 74.8428, 0.3365,
0.1993


 5.9631, 0.3412,
0.1084


 98.2498, 0.3354,
0.2079

 2.8227, 0.3392,
0.0825

 126.0897, 0.3343,
0.2155

 1.0399, 0.3332,
0.0529

 158.7469, 0.3334,
0.2222

 0.0000, 0.3261,
0.0000

196.6056, 0.3325,

 0.0000, 0.2861,

0.2282

0.0000

240.0503, 0.3317,
0.2336

■ 0.0000, 0.1210,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.3744, 0.3399,
0.1646

■ 27.3744, 0.3399,
0.1646


■ 27.3730, 0.3399,
0.1646


■ 28.1957, 0.3376,
0.1666

■ 29.9535, 0.3351,
0.1723

■ 32.9319, 0.3323,
0.1826

■ 37.3057, 0.3294,
0.1971

 43.2213, 0.3263,
0.2152

 50.8068, 0.3233,
0.2362

 60.1767, 0.3203,
0.2589

 71.4357, 0.3176,
0.2825

 84.6802, 0.3150,
0.3061

Harmonies

Analogous

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



27.3744, 0.1911, 0.1240



27.3744, 0.3399, 0.1646



27.3744, 0.5282, 0.2329

Triad

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



27.3744, 0.3399, 0.1646



27.3744, 0.4814, 0.5186



27.3744, 0.0752, 0.2185

Complementary

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



27.3744, 0.3399, 0.1646



71.5638, 0.2991, 0.5967

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.



27.3744, 0.1143, 0.4112



27.3744, 0.3399, 0.1646



27.3744, 0.3429, 0.6423

Square

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



27.3744, 0.3399, 0.1646



27.3744, 0.5943, 0.3991



27.3744, 0.2128, 0.6394



27.3744, 0.0770, 0.1374

Rectangle

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



27.3744, 0.3399, 0.1646



27.3744, 0.6122, 0.2843



27.3744, 0.2128, 0.6394



27.3744, 0.0824, 0.2679

Sweetspot

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



27.3730, 0.3399, 0.1646



60.1767, 0.3203, 0.2589



7.3392, 0.1515, 0.0608



11.9867, 0.3215, 0.2492



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.



27.3730, 0.3399, 0.1646



22.3967, 0.5287, 0.2686



18.2769, 0.3149, 0.3072



14.3124, 0.3395, 0.1644



1.3999, 0.3372, 0.1631

Inverse Universe

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



27.3730, 0.3399, 0.1646



73.5489, 0.2669, 0.4807



18.2769, 0.3149, 0.3072



14.3124, 0.3395, 0.1644



1.3999, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 27.3744, 0.3399, 0.1646 looks on a white background.

Color Contrast Check

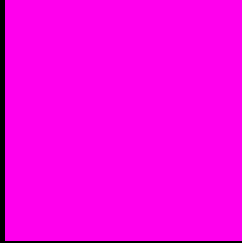
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3744, 0.3399, 0.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

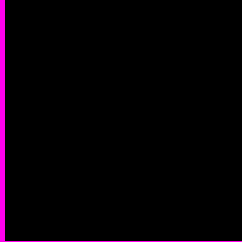
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3744, 0.3399, 0.1646

Background



This preview shows how black text looks on a background with the Yxy color 27.3744, 0.3399, 0.1646.



This preview shows how white text looks on a background with the Yxy color 27.3744, 0.3399, 0.1646.

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

27.3744, 0.3399, 0.1646

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

28.1578, 0.2209, 0.2153



Tritanopia

27.4303, 0.5009, 0.3237

Trichromacy



Original Color

27.3744, 0.3399, 0.1646



Protanomaly

20.3116, 0.2282, 0.1408



Deuteranomaly

20.5248, 0.2492, 0.1602



Tritanomaly

24.8907, 0.4466, 0.2470

Monochromacy



Original Color

27.3744, 0.3399, 0.1646



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.4325, 0.3275, 0.2026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3744, 0.3399, 0.1646 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, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 237)  
}
```

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, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 237) }
```

Border

The CSS property to change the border of an element to Yxy 27.3744, 0.3399, 0.1646 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, 0, 237) }
```

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

```
.border{ border-color:rgb(255, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
237) }
```

Background

The CSS property to change the background color of an element to Yxy 27.3744, 0.3399, 0.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 237) }
```

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

```
.background{ background-color: rgb(255, 0,  
237) }
```

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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