

Converting Colors

$Yxy(27.7942, 0.3383, 0.1653)$

Have a look what the booklet for
Yxy(27.7942, 0.3383, 0.1653)
contains.

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Color

Yxy(27.7747, 0.3386, 0.1655)

Conversions

Conversions Part 1

Format	Color
Hex	FF0FEE
RGB	255, 15, 238
RGB Percent	100%, 6%, 93%
CMY	0.0002, 0.9394, 0.0668
CMYK	0.00, 0.94, 0.07, 0.00
HSL	304°, 100%, 53%
HSV	304°, 94%, 100%
XYZ	56.8249, 27.7747, 83.2234
YIQ	112.1820, 71.4570, 120.2330

Conversions

Conversions Part 2

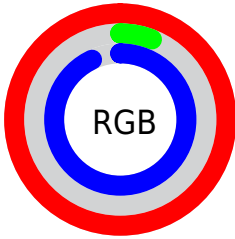
Format	Color
R _Y B	255, 15, 238
Decimal	16715758
CIE Lab	59.68, 94.99, -52.37
CIE LCh	60, 108.469, 331.130
Yxy	27.7747, 0.3386, 0.1655
Android (android.graphics.Color)	4294905838 (0xFFFF0FEE)
YUV	112.1820, 62.0283, 125.2514
Hunter-Lab	52.7017, 100.2371, -56.7361

Details

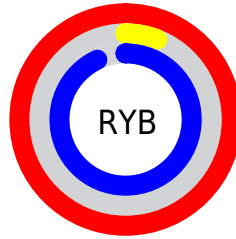
The Yxy color **27.7747, 0.3386, 0.1655** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **71.7008, 0.2987, 0.5914**, and the grayscale version is **16.1353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **14.6737, 0.3372, 0.1631** is the 20% darker color. If you saturate the color by 10%, you get **27.3571, 0.3400, 0.1646**, and if you desaturate by 10%, it is **29.1108, 0.3362, 0.1696**.

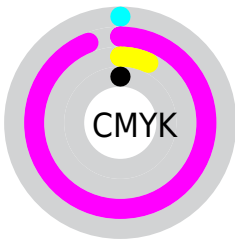
Distribution



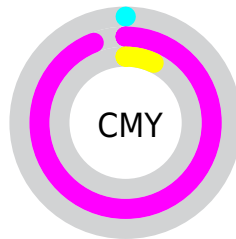
- Red (100%)
- Green (6%)
- Blue (93%)



- Red (100%)
- Yellow (6%)
- Blue (93%)



- Cyan (0%)
- Magenta (94%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (94%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7747, 0.3386, 0.1655 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 27.7747, 0.3386, 0.1655 by changing the saturation by 10% instead.


 27.7747, 0.3386,
0.1655


 27.7747, 0.3386,
0.1655


291.3888, 0.3302,
0.2389


 18.1559, 0.3394,
0.1499


 56.1245, 0.3365,
0.1901


 11.0620, 0.3399,
0.1315

 75.6244, 0.3355,
0.2000


 6.1085, 0.3394,
0.1096


 99.1866, 0.3344,
0.2085

 2.9112, 0.3372,
0.0838

 127.1958, 0.3335,
0.2161

 1.0855, 0.3310,
0.0543

 160.0362, 0.3326,
0.2228

 0.0000, 0.3241,
0.0000

198.0922, 0.3317,

 0.0000, 0.2840,

0.2287

0.0000

241.7483, 0.3309,
0.2341

■ 0.0000, 0.1280,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.7747, 0.3386,
0.1655

■ 27.7747, 0.3386,
0.1655


■ 27.3571, 0.3400,
0.1646


■ 29.1108, 0.3362,
0.1696


■ 31.5850, 0.3335,
0.1780


■ 35.3894, 0.3306,
0.1909


■ 40.6799, 0.3275,
0.2077

 47.5910, 0.3245,
0.2277

 56.2420, 0.3215,
0.2498

 66.7410, 0.3186,
0.2732

 79.1876, 0.3160,
0.2968

 93.6739, 0.3136,
0.3201

Harmonies

Analogous

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



27.7747, 0.1915, 0.1252



27.7747, 0.3386, 0.1655



27.7747, 0.5248, 0.2334

Triad

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



27.7747, 0.3386, 0.1655



27.7747, 0.4824, 0.5176



27.7747, 0.0768, 0.2207

Complementary

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



27.7747, 0.3386, 0.1655



71.7008, 0.2987, 0.5914

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.



27.7747, 0.1166, 0.4122



27.7747, 0.3386, 0.1655



27.7747, 0.3449, 0.6389

Square

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



27.7747, 0.3386, 0.1655



27.7747, 0.5929, 0.3991



27.7747, 0.2153, 0.6361



27.7747, 0.0783, 0.1393

Rectangle

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



27.7747, 0.3386, 0.1655



27.7747, 0.6087, 0.2848



27.7747, 0.2153, 0.6361



27.7747, 0.0843, 0.2701

Sweetspot

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



27.7760, 0.3386, 0.1655



62.2730, 0.3198, 0.2636



7.8695, 0.1544, 0.0646



12.3805, 0.3210, 0.2536



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.



27.7760, 0.3386, 0.1655



27.3691, 0.3400, 0.1646



22.9430, 0.5126, 0.2629



18.2768, 0.3149, 0.3072



14.3104, 0.3396, 0.1645



1.3998, 0.3373, 0.1632

Inverse Universe

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



27.7760, 0.3386, 0.1655



27.3691, 0.3400, 0.1646



73.8340, 0.2650, 0.4709



18.2768, 0.3149, 0.3072



14.3104, 0.3396, 0.1645



1.3998, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 27.7747, 0.3386, 0.1655 looks on a white background.

Color Contrast Check

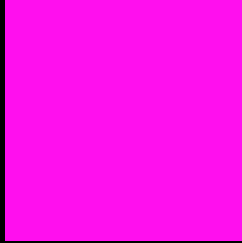
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7747, 0.3386, 0.1655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

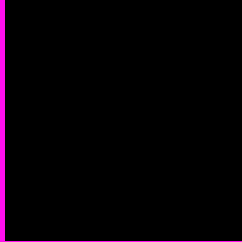
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7747, 0.3386, 0.1655

Background



This preview shows how black text looks on a background with the Yxy color 27.7747, 0.3386, 0.1655.



This preview shows how white text looks on a background with the Yxy color 27.7747, 0.3386, 0.1655.

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

27.7747, 0.3386, 0.1655

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

28.2119, 0.2204, 0.2143



Tritanopia

27.6263, 0.4989, 0.3237

Trichromacy



Original Color

27.7747, 0.3386, 0.1655



Protanomaly

21.4135, 0.2285, 0.1457



Deuteranomaly

21.4756, 0.2491, 0.1645



Tritanomaly

25.5754, 0.4435, 0.2498

Monochromacy



Original Color

27.7747, 0.3386, 0.1655



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.6689, 0.3266, 0.2120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7747, 0.3386, 0.1655 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, 15, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 238)  
}
```

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, 15, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 238) }
```

Border

The CSS property to change the border of an element to Yxy 27.7747, 0.3386, 0.1655 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, 15, 238) }
```

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

```
.border{ border-color:rgb(255, 15, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7747, 0.3386, 0.1655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 238) }
```

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

```
.background{ background-color: rgb(255, 15,  
238) }
```

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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