

Converting Colors

$Y_{xy}(27.9445, 0.3296, 0.1589)$

Have a look what the booklet for
Yxy(27.9445, 0.3296, 0.1589)
contains.

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Color

Yxy(27.9754, 0.3291, 0.1586)

Conversions

Conversions Part 1

Format	Color
Hex	FF00F7
RGB	255, 0, 247
RGB Percent	100%, 0%, 97%
CMY	0.0000, 1.0000, 0.0312
CMYK	0.00, 1.00, 0.03, 0.00
HSL	302°, 100%, 50%
HSV	302°, 100%, 100%
XYZ	58.0498, 27.9754, 90.3644
YIQ	104.4030, 72.6930, 130.8770

Conversions

Conversions Part 2

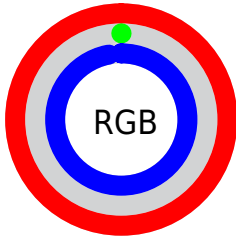
Format	Color
RYB	255, 0, 247
Decimal	16711927
CIELab	59.87, 97.21, -57.15
CIELCh	60, 112.762, 329.550
Yxy	27.9754, 0.3291, 0.1586
Android (android.graphics.Color)	4294902007 (0xFFFF00F7)
YUV	104.4030, 70.3003, 132.0736
Hunter-Lab	52.8918, 103.3469, -64.2714

Details

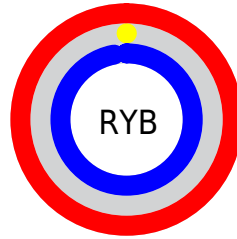
The Yxy color **27.9754, 0.3291, 0.1586** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.5375, 0.2996, 0.5987**, and the grayscale version is **13.7515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **15.0552, 0.3248, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **27.9776, 0.3290, 0.1586**, and if you desaturate by 10%, it is **28.7437, 0.3280, 0.1611**.

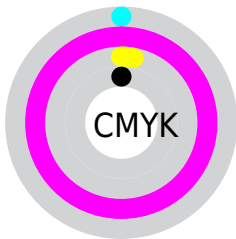
Distribution



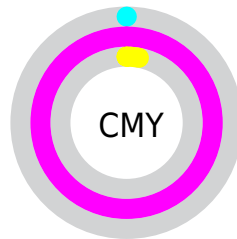
- Red (100%)
- Green (0%)
- Blue (97%)



- Red (100%)
- Yellow (0%)
- Blue (97%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9754, 0.3291, 0.1586 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 27.9754, 0.3291, 0.1586 by changing the saturation by 10% instead.


 27.9754, 0.3291,
0.1586


 27.9754, 0.3291,
0.1586


292.3493, 0.3260,
0.2340


 18.3071, 0.3286,
0.1429


 56.4452, 0.3290,
0.1837

 11.1707, 0.3273,
0.1245

 76.0154, 0.3287,
0.1937


 6.1818, 0.3245,
0.1029


 99.6552, 0.3283,
0.2026

 2.9559, 0.3193,
0.0777

 127.7487, 0.3278,
0.2104

 1.1088, 0.3092,
0.0496

 160.6805, 0.3274,
0.2173

 0.0000, 0.2960,
0.0000

198.8350, 0.3269,

 0.0000, 0.2523,

0.2234

0.0000

242.5965, 0.3264,
0.2290

■ 0.0000, 0.1300,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.9754, 0.3291,
0.1586

■ 27.9754, 0.3291,
0.1586

■ 27.9776, 0.3290,
0.1586


■ 28.7437, 0.3280,
0.1611

■ 30.4440, 0.3268,
0.1673

■ 33.3642, 0.3253,
0.1779

■ 37.6788, 0.3237,
0.1927

 43.5344, 0.3218,
0.2113

 51.0590, 0.3199,
0.2328

 60.3672, 0.3180,
0.2562

 71.5636, 0.3162,
0.2806

 84.7445, 0.3144,
0.3051

Harmonies

Analogous

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



27.9754, 0.1822, 0.1197



27.9754, 0.3291, 0.1586



27.9754, 0.5227, 0.2261

Triad

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



27.9754, 0.3291, 0.1586



27.9754, 0.4893, 0.5107



27.9754, 0.0728, 0.2233

Complementary

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



27.9754, 0.3291, 0.1586



71.5375, 0.2996, 0.5987

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.



27.9754, 0.1145, 0.4284



27.9754, 0.3291, 0.1586



27.9754, 0.3492, 0.6426

Square

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



27.9754, 0.3291, 0.1586



27.9754, 0.6029, 0.3912



27.9754, 0.2164, 0.6560



27.9754, 0.0732, 0.1370

Rectangle

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



27.9754, 0.3291, 0.1586



27.9754, 0.6136, 0.2776



27.9754, 0.2164, 0.6560



27.9754, 0.0807, 0.2761

Sweetspot

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



27.9776, 0.3290, 0.1586



60.3672, 0.3180, 0.2562



7.2474, 0.1504, 0.0602



12.0330, 0.3188, 0.2462



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.



27.9776, 0.3290, 0.1586



22.6963, 0.5073, 0.2568



18.2900, 0.3143, 0.3063



14.6233, 0.3289, 0.1585



1.4268, 0.3279, 0.1580

Inverse Universe

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



27.9776, 0.3290, 0.1586



73.1791, 0.2718, 0.4983



18.2900, 0.3143, 0.3063



14.6233, 0.3289, 0.1585



1.4268, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 27.9754, 0.3291, 0.1586 looks on a white background.

Color Contrast Check

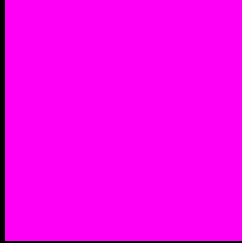
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9754, 0.3291, 0.1586 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 27.9754, 0.3291, 0.1586

Background



This preview shows how black text looks on a background with the Yxy color 27.9754, 0.3291, 0.1586.



This preview shows how white text looks on a background with the Yxy color 27.9754, 0.3291, 0.1586.

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

27.9754, 0.3291, 0.1586

Protanopia

28.7901, 0.2011, 0.1807

Deuteranopia

28.5099, 0.2128, 0.2063



Tritanopia

28.0539, 0.4920, 0.3235

Trichromacy



Original Color

27.9754, 0.3291, 0.1586



Protanomaly

20.9199, 0.2277, 0.1402



Deuteranomaly

20.5410, 0.2386, 0.1520



Tritanomaly

25.2243, 0.4355, 0.2425

Monochromacy



Original Color

27.9754, 0.3291, 0.1586



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.6677, 0.3232, 0.1986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9754, 0.3291, 0.1586 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 247) }
```

Border

The CSS property to change the border of an element to Yxy 27.9754, 0.3291, 0.1586 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, 247) }
```

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

```
.border{ border-color:rgb(255, 0, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
247) }
```

Background

The CSS property to change the background color of an element to Yxy 27.9754, 0.3291, 0.1586 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, 247) }
```

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

```
.background{ background-color: rgb(255, 0,  
247) }
```

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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