

Converting Colors

$Y_{xy}(27.7430, 0.3464, 0.1716)$

Have a look what the booklet for
Yxy(27.7430, 0.3464, 0.1716)
contains.

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Color

Yxy(27.7683, 0.3463, 0.1716)

Conversions

Conversions Part 1

Format	Color
Hex	FF1AE7
RGB	255, 26, 231
RGB Percent	100%, 10%, 91%
CMY	0.0000, 0.8982, 0.0941
CMYK	0.00, 0.90, 0.09, 0.00
HSL	306°, 100%, 55%
HSV	306°, 90%, 100%
XYZ	56.0382, 27.7683, 78.0134
YIQ	117.8410, 70.6790, 112.3030

Conversions

Conversions Part 2

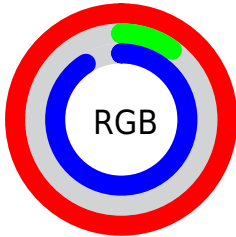
Format	Color
R _Y B	255, 26, 231
Decimal	16718567
CIE _{Lab}	59.68, 93.06, -48.48
CIE _{LCh}	60, 104.932, 332.481
Yxy	27.7683, 0.3463, 0.1716
Android (android.graphics.Color)	4294908647 (0xFFFF1AE7)
YUV	117.8410, 55.7874, 120.2884
Hunter-Lab	52.6956, 97.6053, -50.8891

Details

The Yxy color **27.7683, 0.3463, 0.1716** 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 **71.9687, 0.2972, 0.5818**, and the grayscale version is **17.8610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6319, 0.3190, 0.1949**, and **14.4326, 0.3459, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **26.8900, 0.3497, 0.1701**, and if you desaturate by 10%, it is **29.5892, 0.3425, 0.1770**.

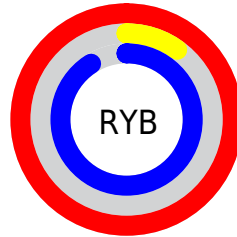
Distribution



Red (100%)

Green (10%)

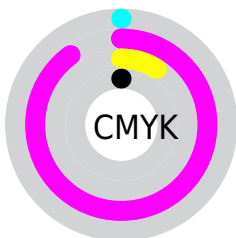
Blue (91%)



Red (100%)

Yellow (10%)

Blue (91%)

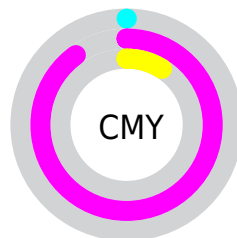


Cyan (0%)

Magenta (90%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (90%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7683, 0.3463, 0.1716 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 27.7683, 0.3463, 0.1716 by changing the saturation by 10% instead.


 27.7683, 0.3463,
0.1716


 27.7683, 0.3463,
0.1716


291.3581, 0.3335,
0.2430


 18.1511, 0.3483,
0.1562


 56.1143, 0.3426,
0.1957


 11.0585, 0.3503,
0.1379


 75.6119, 0.3409,
0.2053


 6.1062, 0.3519,
0.1159


 99.1717, 0.3394,
0.2137

 2.9098, 0.3523,
0.0896

 127.1781, 0.3380,
0.2210

 1.0848, 0.3499,
0.0590

 160.0156, 0.3367,
0.2275

 0.0000, 0.3497,
0.0000

198.0685, 0.3356,

 0.0000, 0.3143,

0.2332

0.0000

241.7212, 0.3345,
0.2384

■ 0.0000, 0.1243,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.7683, 0.3463,
0.1716

■ 27.7683, 0.3463,
0.1716

■ 26.8900, 0.3497,
0.1701

■ 29.5892, 0.3425,
0.1770

■ 26.8776, 0.3498,
0.1701

■ 32.6373, 0.3385,
0.1870

■ 37.0847, 0.3344,
0.2012

■ 43.0776, 0.3302,
0.2190

50.7438, 0.3261,
0.2395

60.1976, 0.3223,
0.2616

71.5435, 0.3187,
0.2845

84.8779, 0.3155,
0.3073

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.7683, 0.1996, 0.1302



27.7683, 0.3463, 0.1716



27.7683, 0.5256, 0.2397

Triad

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



27.7683, 0.3463, 0.1716



27.7683, 0.4768, 0.5232



27.7683, 0.0806, 0.2191

Complementary

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



27.7683, 0.3463, 0.1716



71.9687, 0.2972, 0.5818

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.



27.7683, 0.1186, 0.3994



27.7683, 0.3463, 0.1716



27.7683, 0.3418, 0.6352

Square

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



27.7683, 0.3463, 0.1716



27.7683, 0.5843, 0.4057



27.7683, 0.2146, 0.6183



27.7683, 0.0831, 0.1416

Rectangle

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



27.7683, 0.3463, 0.1716



27.7683, 0.6038, 0.2910



27.7683, 0.2146, 0.6183



27.7683, 0.0877, 0.2657

Sweetspot

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



27.7666, 0.3463, 0.1716



63.2052, 0.3212, 0.2681



8.6059, 0.1593, 0.0697



12.7542, 0.3225, 0.2603



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.



27.7666, 0.3463, 0.1716



26.8776, 0.3498, 0.1701



23.2944, 0.5139, 0.2669



18.2656, 0.3154, 0.3080



14.0574, 0.3493, 0.1698



1.3778, 0.3456, 0.1678

Inverse Universe

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



27.7666, 0.3463, 0.1716



26.8776, 0.3498, 0.1701



74.3969, 0.2609, 0.4532



18.2656, 0.3154, 0.3080



14.0574, 0.3493, 0.1698



1.3778, 0.3456, 0.1678

Previews

White Background



This preview shows how the Yxy color 27.7683, 0.3463, 0.1716 looks on a white background.

Color Contrast Check

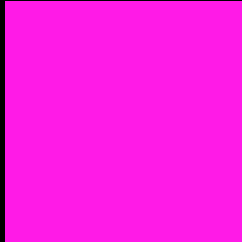
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7683, 0.3463, 0.1716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

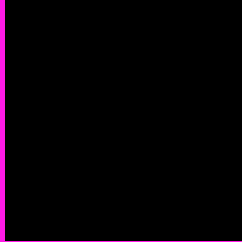
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7683, 0.3463, 0.1716

Background



This preview shows how black text looks on a background with the Yxy color 27.7683, 0.3463, 0.1716.



This preview shows how white text looks on a background with the Yxy color 27.7683, 0.3463, 0.1716.

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

27.7683, 0.3463, 0.1716

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

27.9697, 0.2279, 0.2215



Tritanopia

27.6068, 0.5018, 0.3238

Trichromacy



Original Color

27.7683, 0.3463, 0.1716



Protanomaly

21.9671, 0.2308, 0.1514



Deuteranomaly

22.1748, 0.2593, 0.1750



Tritanomaly

26.1370, 0.4480, 0.2559

Monochromacy



Original Color

27.7683, 0.3463, 0.1716



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.3250, 0.3299, 0.2228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7683, 0.3463, 0.1716 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, 26, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 231)  
}
```

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, 26, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 231) }
```

Border

The CSS property to change the border of an element to Yxy 27.7683, 0.3463, 0.1716 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, 26, 231) }
```

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

```
.border{ border-color:rgb(255, 26, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7683, 0.3463, 0.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 231) }
```

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

```
.background{ background-color: rgb(255, 26,  
231) }
```

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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