

Converting Colors

$Y_{xy}(30.0156, 0.3273, 0.1659)$

Have a look what the booklet for
Yxy(30.0156, 0.3273, 0.1659)
contains.

Yxy(29.9913, 0.3275, 0.1660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.9913, 0.3275, 0.1660)

Conversions

Conversions Part 1

Format	Color
Hex	FF2EF8
RGB	255, 46, 248
RGB Percent	100%, 18%, 97%
CMY	0.0000, 0.8198, 0.0273
CMYK	0.00, 0.82, 0.03, 0.00
HSL	302°, 100%, 59%
HSV	302°, 82%, 100%
XYZ	59.1696, 29.9913, 91.5096
YIQ	131.5190, 59.7220, 107.1300

Conversions

Conversions Part 2

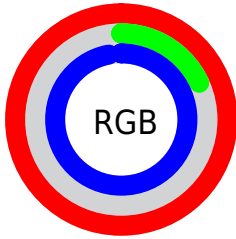
Format	Color
R _Y B	255, 46, 248
Decimal	16723704
CIE Lab	61.65, 92.25, -54.87
CIE LCh	62, 107.330, 329.256
Yxy	29.9913, 0.3275, 0.1660
Android (android.graphics.Color)	4294913784 (0xFFFF2EF8)
YUV	131.5190, 57.4251, 108.2928
Hunter-Lab	54.7643, 97.0211, -60.7369

Details

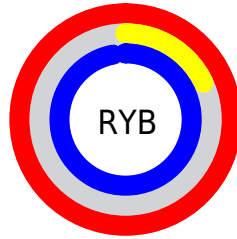
The Yxy color **29.9913, 0.3275, 0.1660** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.3557, 0.2997, 0.5778**, and the grayscale version is **22.6557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **15.2309, 0.3248, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **28.5033, 0.3287, 0.1607**, and if you desaturate by 10%, it is **32.6557, 0.3260, 0.1757**.

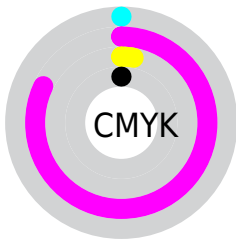
Distribution



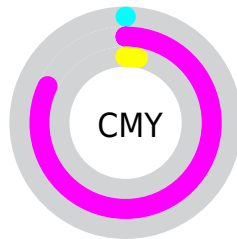
- Red (100%)
- Green (18%)
- Blue (97%)



- Red (100%)
- Yellow (18%)
- Blue (97%)



- Cyan (0%)
- Magenta (82%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (82%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9913, 0.3275, 0.1660 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 29.9913, 0.3275, 0.1660 by changing the saturation by 10% instead.


 29.9913, 0.3275,
0.1660


 29.9913, 0.3275,
0.1660


301.8639, 0.3247,
0.2383


 19.8320, 0.3270,
0.1508


 59.6484, 0.3274,
0.1901


 12.2730, 0.3258,
0.1330


 79.9150, 0.3271,
0.1998

 6.9299, 0.3234,
0.1118


 104.3195, 0.3268,
0.2082

 3.4183, 0.3187,
0.0869

 133.2462, 0.3264,
0.2157

 1.3538, 0.3096,
0.0583

 167.0797, 0.3260,
0.2223

 0.1823, 0.2959,
0.0149

206.2041, 0.3255,

 0.0000, 0.2581,

0.2282

0.0000

251.0041, 0.3251,
0.2335

■ 0.0000, 0.1523,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.9913, 0.3275,
0.1660

■ 29.9913, 0.3275,
0.1660

■ 28.5033, 0.3287,
0.1607


■ 32.6557, 0.3260,
0.1757

■ 27.9452, 0.3296,
0.1589

■ 36.6847, 0.3243,
0.1897


■ 42.2272, 0.3224,
0.2076

■ 49.4146, 0.3205,
0.2285

 58.3639, 0.3185,
0.2516

 69.1812, 0.3166,
0.2759

 81.9647, 0.3148,
0.3003

 96.8053, 0.3130,
0.3243

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.



29.9913, 0.1882, 0.1280



29.9913, 0.3275, 0.1660



29.9913, 0.5077, 0.2319

Triad

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



29.9913, 0.3275, 0.1660



29.9913, 0.4904, 0.5096



29.9913, 0.0828, 0.2331

Complementary

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



29.9913, 0.3275, 0.1660



72.3557, 0.2997, 0.5778

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.



29.9913, 0.1266, 0.4250



29.9913, 0.3275, 0.1660



29.9913, 0.3563, 0.6252

Square

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



29.9913, 0.3275, 0.1660



29.9913, 0.5920, 0.3950



29.9913, 0.2279, 0.6309



29.9913, 0.0817, 0.1470

Rectangle

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



29.9913, 0.3275, 0.1660



29.9913, 0.5945, 0.2829



29.9913, 0.2279, 0.6309



29.9913, 0.0914, 0.2838

Sweetspot

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



29.9894, 0.3275, 0.1660



65.7148, 0.3172, 0.2685



9.8332, 0.1617, 0.0783



13.2492, 0.3179, 0.2599



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.



29.9894, 0.3275, 0.1660



28.0664, 0.3294, 0.1593



25.3158, 0.4620, 0.2463



18.2893, 0.3143, 0.3064



14.6067, 0.3294, 0.1588



1.4254, 0.3284, 0.1583

Inverse Universe

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



29.9894, 0.3275, 0.1660



28.0664, 0.3294, 0.1593



74.4312, 0.2673, 0.4657



18.2893, 0.3143, 0.3064



14.6067, 0.3294, 0.1588



1.4254, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 29.9913, 0.3275, 0.1660 looks on a white background.

Color Contrast Check

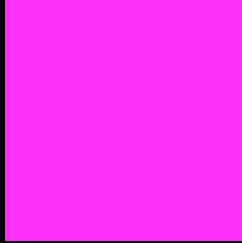
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9913, 0.3275, 0.1660 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 ✓ Pass

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

Yxy 29.9913, 0.3275, 0.1660

Background



This preview shows how black text looks on a background with the Yxy color 29.9913, 0.3275, 0.1660.



This preview shows how white text looks on a background with the Yxy color 29.9913, 0.3275, 0.1660.

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

29.9913, 0.3275, 0.1660

Protanopia

30.4304, 0.2058, 0.1871

Deuteranopia

30.3190, 0.2173, 0.2112



Tritanopia

29.5736, 0.4768, 0.3223

Trichromacy



Original Color

29.9913, 0.3275, 0.1660



Protanomaly

25.2481, 0.2346, 0.1607



Deuteranomaly

25.0894, 0.2443, 0.1728



Tritanomaly

28.1722, 0.4212, 0.2515

Monochromacy



Original Color

29.9913, 0.3275, 0.1660



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.4004, 0.3199, 0.2274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9913, 0.3275, 0.1660 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, 46, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 248)  
}
```

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, 46, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 248) }
```

Border

The CSS property to change the border of an element to Yxy 29.9913, 0.3275, 0.1660 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, 46, 248) }
```

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

```
.border{ border-color:rgb(255, 46, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 46, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9913, 0.3275, 0.1660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 248) }
```

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

```
.background{ background-color: rgb(255, 46,  
248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor