

Converting Colors

$Yxy(28.9884, 0.3208, 0.1562)$

Have a look what the booklet for
Yxy(28.9884, 0.3208, 0.1562)
contains.

Yxy(28.9803, 0.3208, 0.1562)	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(28.9803, 0.3208, 0.1562)

Conversions

Conversions Part 1

Format	Color
Hex	FF14FF
RGB	255, 20, 255
RGB Percent	100%, 8%, 100%
CMY	0.0002, 0.9199, 0.0001
CMYK	0.00, 0.92, 0.00, 0.00
HSL	300°, 100%, 54%
HSV	300°, 92%, 100%
XYZ	59.5191, 28.9803, 97.0339
YIQ	117.0550, 64.6250, 122.9050

Conversions

Conversions Part 2

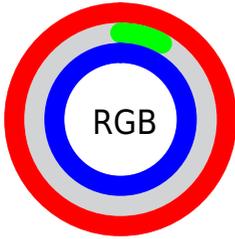
Format	Color
R _Y B	255, 20, 255
Decimal	16717055
CIE Lab	60.76, 96.89, -60.11
CIE LCh	61, 114.022, 328.183
Yxy	28.9803, 0.3208, 0.1562
Android (android.graphics.Color)	4294907135 (0xFFFF14FF)
YUV	117.0550, 68.0069, 120.9778
Hunter-Lab	53.8334, 103.1443, -69.1861

Details

The Yxy color **28.9803, 0.3208, 0.1562** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **71.7025, 0.3002, 0.5951**, and the grayscale version is **17.6499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.4662, 0.3209, 0.1541**, and if you desaturate by 10%, it is **30.4140, 0.3205, 0.1618**.

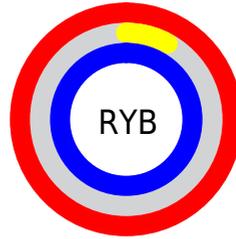
Distribution



Red (100%)

Green (8%)

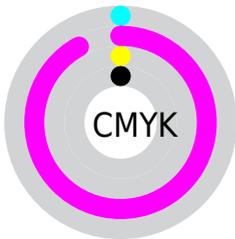
Blue (100%)



Red (100%)

Yellow (8%)

Blue (100%)

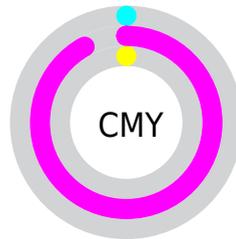


Cyan (0%)

Magenta (92%)

Yellow (0%)

Black (0%)



Cyan (0%)

Magenta (92%)

Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9803, 0.3208, 0.1562 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 28.9803, 0.3208, 0.1562 by changing the saturation by 10% instead.

 28.9803, 0.3208,
0.1562

 28.9803, 0.3208,
0.1562

297.1220, 0.3220,
0.2318

 19.0659, 0.3192,
0.1406

 58.0458, 0.3222,
0.1812

 11.7179, 0.3167,
0.1225

 77.9657, 0.3225,
0.1913

 6.5519, 0.3124,
0.1013

 101.9895, 0.3226,
0.2001

 3.1835, 0.3052,
0.0767

 130.5017, 0.3226,
0.2080

 1.2283, 0.2928,
0.0495

 163.8867, 0.3225,
0.2149

 0.0846, 0.2753,
0.0063

202.5288, 0.3224,

 0.0000, 0.2323,

0.2212

0.0000

246.8124, 0.3222,
0.2268

■ 0.0000, 0.1339,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.9803, 0.3208,
0.1562

■ 28.9803, 0.3208,
0.1562

■ 28.4662, 0.3209,
0.1541

■ 30.4140, 0.3205,
0.1618

■ 33.0259, 0.3201,
0.1718

■ 36.9994, 0.3194,
0.1860

■ 42.4858, 0.3186,
0.2042

 49.6160, 0.3176,
0.2256

 58.5071, 0.3165,
0.2492

 69.2654, 0.3153,
0.2741

 81.9888, 0.3141,
0.2994

 96.7683, 0.3129,
0.3242

Harmonies

Analogous

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



28.9803, 0.1774, 0.1187



28.9803, 0.3208, 0.1562



28.9803, 0.5144, 0.2227

Triad

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



28.9803, 0.3208, 0.1562



28.9803, 0.4954, 0.5046



28.9803, 0.0737, 0.2297

Complementary

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



28.9803, 0.3208, 0.1562



71.7025, 0.3002, 0.5951

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.



28.9803, 0.1180, 0.4406



28.9803, 0.3208, 0.1562



28.9803, 0.3557, 0.6377

Square

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



28.9803, 0.3208, 0.1562



28.9803, 0.6062, 0.3865



28.9803, 0.2221, 0.6609



28.9803, 0.0726, 0.1393

Rectangle

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



28.9803, 0.3208, 0.1562



28.9803, 0.6093, 0.2741



28.9803, 0.2221, 0.6609



28.9803, 0.0823, 0.2846

Sweetspot

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



28.9816, 0.3208, 0.1562



62.5937, 0.3160, 0.2591



8.0374, 0.1533, 0.0660



12.4595, 0.3165, 0.2484



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.



28.9816, 0.3208, 0.1562



28.4753, 0.3209, 0.1541



23.7092, 0.4747, 0.2429



18.3003, 0.3138, 0.3056



14.8790, 0.3209, 0.1541



1.4487, 0.3209, 0.1541

Inverse Universe

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



21.8203, 0.6292, 0.3299



21.2601, 0.6401, 0.3300



73.3654, 0.2721, 0.4950



17.9871, 0.3295, 0.3290



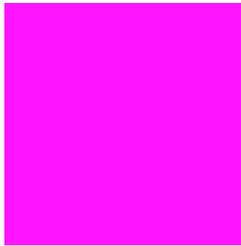
11.1088, 0.6401, 0.3300



1.0816, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 28.9803, 0.3208, 0.1562 looks on a white background.

Color Contrast Check

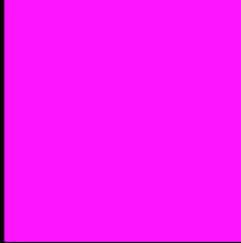
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9803, 0.3208, 0.1562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

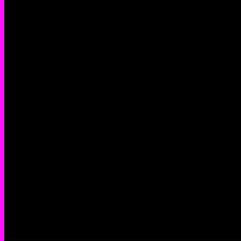
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9803, 0.3208, 0.1562

Background



This preview shows how black text looks on a background with the Yxy color 28.9803, 0.3208, 0.1562.



This preview shows how white text looks on a background with the Yxy color 28.9803, 0.3208, 0.1562.

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

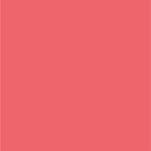
28.9803, 0.3208, 0.1562

Protanopia

29.5462, 0.2030, 0.1838

Deuteranopia

29.2826, 0.2073, 0.2005



Tritanopia

28.7408, 0.4818, 0.3223

Trichromacy



Original Color

28.9803, 0.3208, 0.1562



Protanomaly

22.9160, 0.2289, 0.1472



Deuteranomaly

22.2895, 0.2317, 0.1540



Tritanomaly

26.6204, 0.4240, 0.2432

Monochromacy



Original Color

28.9803, 0.3208, 0.1562



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

17.0401, 0.3183, 0.2092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9803, 0.3208, 0.1562 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, 20, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 255)  
}
```

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, 20, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.9803, 0.3208, 0.1562 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, 20, 255) }
```

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

```
.border{ border-color:rgb(255, 20, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 20, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 28.9803, 0.3208, 0.1562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 255) }
```

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

```
.background{ background-color: rgb(255, 20,  
255) }
```

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