

Converting Colors

$Y_{xy}(28.0778, 0.3203, 0.1676)$

Have a look what the booklet for
Yxy(28.0778, 0.3203, 0.1676)
contains.

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Color

Yxy(28.0778, 0.3203, 0.1676)

Conversions

Conversions Part 1

Format	Color
Hex	F13AF1
RGB	241, 58, 241
RGB Percent	95%, 23%, 95%
CMY	0.0550, 0.7724, 0.0550
CMYK	0.00, 0.76, 0.00, 0.05
HSL	300°, 87%, 59%
HSV	300°, 76%, 95%
XYZ	53.6594, 28.0778, 85.7914
YIQ	133.5790, 50.3250, 95.7090

Conversions

Conversions Part 2

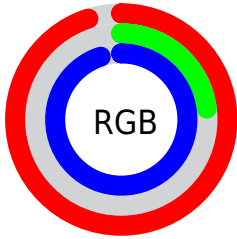
Format	Color
R _Y B	241, 58, 241
Decimal	15809265
CIE Lab	59.96, 85.83, -53.76
CIE LCh	60, 101.280, 327.940
Yxy	28.0778, 0.3203, 0.1676
Android (android.graphics.Color)	4293999345 (0xFFFF13AF1)
YUV	133.5790, 52.9586, 94.2082
Hunter-Lab	52.9885, 88.0303, -58.9020

Details

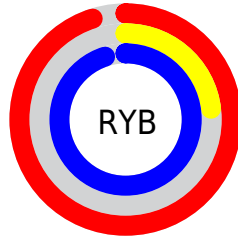
The Yxy color **28.0778, 0.3203, 0.1676** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **64.1103, 0.3015, 0.5690**, and the grayscale version is **23.4752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **13.1640, 0.3155, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **26.1892, 0.3207, 0.1593**, and if you desaturate by 10%, it is **31.1050, 0.3197, 0.1802**.

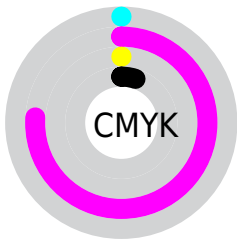
Distribution



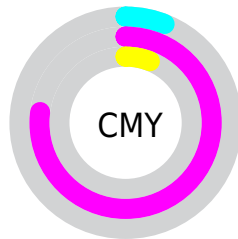
- Red (95%)
- Green (23%)
- Blue (95%)



- Red (95%)
- Yellow (23%)
- Blue (95%)



- Cyan (0%)
- Magenta (76%)
- Yellow (0%)
- Black (5%)





- Cyan (6%)
- Magenta (77%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0778, 0.3203, 0.1676 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 28.0778, 0.3203, 0.1676 by changing the saturation by 10% instead.


 28.0778, 0.3203,
0.1676


 28.0778, 0.3203,
0.1676


292.8385, 0.3210,
0.2404


 18.3843, 0.3190,
0.1521


 56.6086, 0.3215,
0.1921

 11.2263, 0.3167,
0.1337


 76.2148, 0.3216,
0.2019


 6.2192, 0.3128,
0.1118


 99.8939, 0.3217,
0.2104

 2.9788, 0.3060,
0.0858

 128.0304, 0.3216,
0.2178

 1.1207, 0.2937,
0.0560

 161.0088, 0.3215,
0.2245

 0.0000, 0.2778,
0.0000

199.2133, 0.3213,

 0.0000, 0.2279,

0.2303


0.0000


243.0284, 0.3211,
0.2356


 0.0000, 0.0000,
0.0000


 28.0778, 0.3203,
0.1676


 28.0778, 0.3203,
0.1676


 26.1892, 0.3207,
0.1593


 31.1050, 0.3197,
0.1802


 25.2617, 0.3209,
0.1551


 35.4072, 0.3189,
0.1970


 25.0478, 0.3209,
0.1542


 41.1056, 0.3180,
0.2172


 48.3065, 0.3169,
0.2400

 57.1057, 0.3157,
0.2645

 67.5914, 0.3146,
0.2896

 79.8449, 0.3134,
0.3146

 93.9426, 0.3123,
0.3388

 96.5688, 0.3121,
0.3428

Harmonies

Analogous

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



28.0778, 0.1872, 0.1313



28.0778, 0.3203, 0.1676



28.0778, 0.4942, 0.2318

Triad

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



28.0778, 0.3203, 0.1676



28.0778, 0.4943, 0.5030



28.0778, 0.0886, 0.2428

Complementary

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



28.0778, 0.3203, 0.1676



64.1103, 0.3015, 0.5690

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.



28.0778, 0.1354, 0.4322



28.0778, 0.3203, 0.1676



28.0778, 0.3648, 0.6139

Square

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



28.0778, 0.3203, 0.1676



28.0778, 0.5895, 0.3930



28.0778, 0.2379, 0.6231



28.0778, 0.0854, 0.1540

Rectangle

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



28.0778, 0.3203, 0.1676



28.0778, 0.5818, 0.2823



28.0778, 0.2379, 0.6231



28.0778, 0.0982, 0.2940

Sweetspot

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



28.0791, 0.3203, 0.1676



68.1177, 0.3154, 0.2716



10.2822, 0.1685, 0.0905



13.7155, 0.3158, 0.2625



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.



28.0791, 0.3203, 0.1676



29.0899, 0.3208, 0.1566



23.9162, 0.4407, 0.2437



16.0314, 0.3138, 0.3057



13.5845, 0.3209, 0.1542



1.1301, 0.3209, 0.1542

Inverse Universe

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



28.0791, 0.3203, 0.1676



29.0899, 0.3208, 0.1566



65.9908, 0.2685, 0.4582



16.0314, 0.3138, 0.3057



13.5845, 0.3209, 0.1542



1.1301, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 28.0778, 0.3203, 0.1676 looks on a white background.

Color Contrast Check

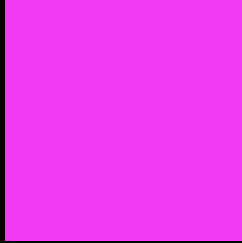
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0778, 0.3203, 0.1676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

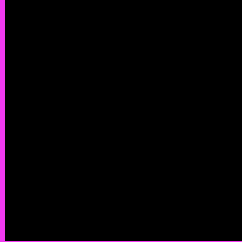
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0778, 0.3203, 0.1676

Background



This preview shows how black text looks on a background with the Yxy color 28.0778, 0.3203, 0.1676.



This preview shows how white text looks on a background with the Yxy color 28.0778, 0.3203, 0.1676.

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

28.0778, 0.3203, 0.1676

Protanopia

28.4434, 0.2004, 0.1793

Deuteranopia

28.5049, 0.2166, 0.2109



Tritanopia

27.8539, 0.4587, 0.3205

Trichromacy



Original Color

28.0778, 0.3203, 0.1676



Protanomaly

24.2907, 0.2274, 0.1596



Deuteranomaly

24.2728, 0.2424, 0.1763



Tritanomaly

26.8386, 0.4068, 0.2527

Monochromacy



Original Color

28.0778, 0.3203, 0.1676



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.2094, 0.3171, 0.2353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0778, 0.3203, 0.1676 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(241, 58, 241)` looks like.

```
.text, #text, p{  
    color:rgb(241, 58, 241)  
}
```

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(241, 58, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 58, 241) }
```

Border

The CSS property to change the border of an element to Yxy 28.0778, 0.3203, 0.1676 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(241, 58, 241) }
```

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

```
.border{ border-color:rgb(241, 58, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 58, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 58, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 58, 241);  
box-shadow:4px 4px 4px 4px rgb(241, 58,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0778, 0.3203, 0.1676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 58, 241) }
```

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

```
.background{ background-color: rgb(241, 58,  
241) }
```

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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