

Converting Colors

$Yxy(28.0232, 0.3267, 0.1648)$

Have a look what the booklet for
Yxy(28.0232, 0.3267, 0.1648)
contains.

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Color

Yxy(28.0232, 0.3267, 0.1648)

Conversions

Conversions Part 1

Format	Color
Hex	F82AF2
RGB	248, 42, 242
RGB Percent	97%, 16%, 95%
CMY	0.0276, 0.8348, 0.0511
CMYK	0.00, 0.83, 0.02, 0.03
HSL	302°, 94%, 57%
HSV	302°, 83%, 97%
XYZ	55.5533, 28.0232, 86.4672
YIQ	126.3940, 58.5760, 105.8720

Conversions

Conversions Part 2

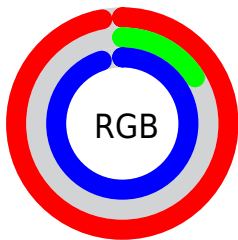
Format	Color
R _Y B	248, 42, 242
Decimal	16263922
CIE _{Lab}	59.91, 90.85, -54.33
CIE _{LCh}	60, 105.857, 329.121
Y _{xy}	28.0232, 0.3267, 0.1648
Android (android.graphics.Color)	4294454002 (0xFFFF82AF2)
Y _{UV}	126.3940, 56.9938, 106.6485
Hunter-Lab	52.9369, 94.6824, -59.7884

Details

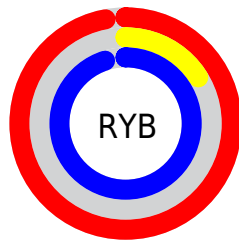
The Yxy color **28.0232, 0.3267, 0.1648** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **67.8211, 0.2998, 0.5800**, and the grayscale version is **20.8157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9708, 0.3188, 0.1993**, and **14.0676, 0.3236, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **26.7272, 0.3278, 0.1598**, and if you desaturate by 10%, it is **30.4085, 0.3254, 0.1741**.

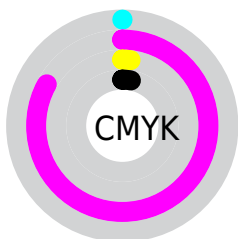
Distribution



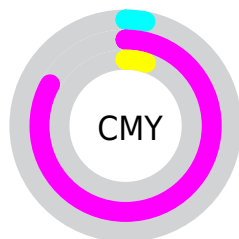
- Red (97%)
- Green (16%)
- Blue (95%)



- Red (97%)
- Yellow (16%)
- Blue (95%)



- Cyan (0%)
- Magenta (83%)
- Yellow (2%)
- Black (3%)





- Cyan (3%)
- Magenta (83%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0232, 0.3267, 0.1648 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 28.0232, 0.3267, 0.1648 by changing the saturation by 10% instead.


 28.0232, 0.3267,
0.1648


 28.0232, 0.3267,
0.1648


292.5778, 0.3243,
0.2384

 18.3431, 0.3261,
0.1492


 56.5215, 0.3268,
0.1895

 11.1966, 0.3246,
0.1308


 76.1085, 0.3266,
0.1993


 6.1993, 0.3218,
0.1090


 99.7666, 0.3263,
0.2079

 2.9666, 0.3164,
0.0833

 127.8803, 0.3259,
0.2155

 1.1143, 0.3061,
0.0540

 160.8338, 0.3255,
0.2222

 0.0000, 0.2929,
0.0000

199.0116, 0.3251,

 0.0000, 0.2467,

0.2282

0.0000

242.7982, 0.3247,
0.2335

■ 0.0000, 0.0674,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.0232, 0.3267,
0.1648

■ 28.0232, 0.3267,
0.1648

■ 26.7272, 0.3278,
0.1598


■ 30.4085, 0.3254,
0.1741


■ 26.2856, 0.3284,
0.1583


■ 34.0531, 0.3238,
0.1877


■ 39.1016, 0.3221,
0.2053

■ 45.6779, 0.3203,
0.2260

 53.8924, 0.3185,
0.2490

 63.8454, 0.3166,
0.2732

 75.6290, 0.3149,
0.2978

 89.3288, 0.3132,
0.3219

 98.2759, 0.3121,
0.3353

Harmonies

Analogous

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



28.0232, 0.1869, 0.1268



28.0232, 0.3267, 0.1648



28.0232, 0.5085, 0.2308

Triad

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



28.0232, 0.3267, 0.1648



28.0232, 0.4910, 0.5090



28.0232, 0.0816, 0.2327

Complementary

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



28.0232, 0.3267, 0.1648



67.8211, 0.2998, 0.5800

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.



28.0232, 0.1256, 0.4268



28.0232, 0.3267, 0.1648



28.0232, 0.3563, 0.6268

Square

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



28.0232, 0.3267, 0.1648



28.0232, 0.5938, 0.3940



28.0232, 0.2273, 0.6345



28.0232, 0.0805, 0.1461

Rectangle

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



28.0232, 0.3267, 0.1648



28.0232, 0.5963, 0.2818



28.0232, 0.2273, 0.6345



28.0232, 0.0903, 0.2839

Sweetspot

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



28.0245, 0.3267, 0.1648



65.7319, 0.3170, 0.2682



9.0113, 0.1608, 0.0768



13.2533, 0.3176, 0.2597



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.



28.0245, 0.3267, 0.1648



28.0116, 0.3285, 0.1583



23.5566, 0.4643, 0.2464



17.5153, 0.3143, 0.3063



14.2083, 0.3283, 0.1582



1.3186, 0.3274, 0.1577

Inverse Universe

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



28.0245, 0.3267, 0.1648



28.0116, 0.3285, 0.1583



69.7600, 0.2674, 0.4674



17.5153, 0.3143, 0.3063



14.2083, 0.3283, 0.1582



1.3186, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 28.0232, 0.3267, 0.1648 looks on a white background.

Color Contrast Check

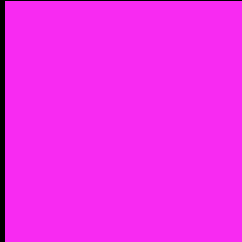
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0232, 0.3267, 0.1648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

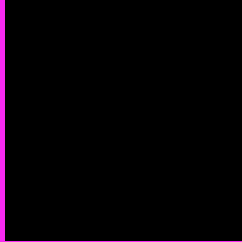
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0232, 0.3267, 0.1648

Background



This preview shows how black text looks on a background with the Yxy color 28.0232, 0.3267, 0.1648.



This preview shows how white text looks on a background with the Yxy color 28.0232, 0.3267, 0.1648.

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

28.0232, 0.3267, 0.1648

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

28.4489, 0.2161, 0.2108



Tritanopia

27.8825, 0.4770, 0.3221

Trichromacy



Original Color

28.0232, 0.3267, 0.1648



Protanomaly

23.2083, 0.2279, 0.1540



Deuteranomaly

23.3806, 0.2434, 0.1714



Tritanomaly

26.5224, 0.4213, 0.2508

Monochromacy



Original Color

28.0232, 0.3267, 0.1648



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.7389, 0.3200, 0.2270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0232, 0.3267, 0.1648 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(248, 42, 242)` looks like.

```
.text, #text, p{  
    color:rgb(248, 42, 242)  
}
```

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(248, 42, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 42, 242) }
```

Border

The CSS property to change the border of an element to Yxy 28.0232, 0.3267, 0.1648 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(248, 42, 242) }
```

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

```
.border{ border-color:rgb(248, 42, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 42, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 42, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 42, 242);  
box-shadow:4px 4px 4px 4px rgb(248, 42,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0232, 0.3267, 0.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 42, 242) }
```

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

```
.background{ background-color: rgb(248, 42,  
242) }
```

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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