

Converting Colors

$Y_{xy}(27.0585, 0.3252, 0.1703)$

Have a look what the booklet for
Yxy(27.0585, 0.3252, 0.1703)
contains.

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Color

Yxy(26.9460, 0.3245, 0.1697)

Conversions

Conversions Part 1

Format	Color
Hex	EE38EA
RGB	238, 56, 234
RGB Percent	93%, 22%, 92%
CMY	0.0666, 0.7804, 0.0824
CMYK	0.00, 0.76, 0.02, 0.07
HSL	301°, 84%, 58%
HSV	301°, 76%, 93%
XYZ	51.5261, 26.9460, 80.3140
YIQ	130.7100, 51.3340, 93.9420

Conversions

Conversions Part 2

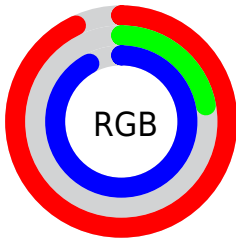
Format	Color
R _Y B	238, 56, 234
Decimal	15612138
CIE Lab	58.92, 84.74, -51.53
CIE LCh	59, 99.179, 328.699
Yxy	26.9460, 0.3245, 0.1697
Android (android.graphics.Color)	4293802218 (0xFFEE38EA)
YUV	130.7100, 50.9220, 94.0933
Hunter-Lab	51.9095, 86.3398, -55.3963

Details

The Yxy color **26.9460, 0.3245, 0.1697** 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 **62.3237, 0.3005, 0.5670**, and the grayscale version is **22.3907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6459, 0.3185, 0.2047**, and **12.6393, 0.3223, 0.1549** is the 20% darker color. If you saturate the color by 10%, you get **25.1324, 0.3255, 0.1618**, and if you desaturate by 10%, it is **29.8575, 0.3232, 0.1820**.

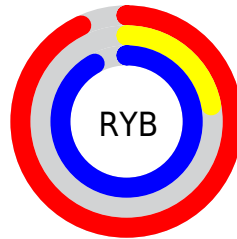
Distribution



Red (93%)

Green (22%)

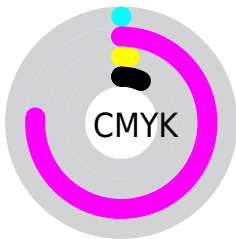
Blue (92%)



Red (93%)

Yellow (22%)

Blue (92%)

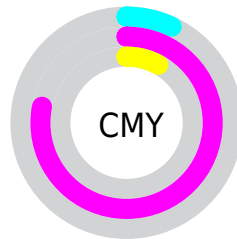


Cyan (0%)

Magenta (76%)

Yellow (2%)

Black (7%)



Cyan (7%)


Magenta (78%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9460, 0.3245, 0.1697 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 26.9460, 0.3245, 0.1697 by changing the saturation by 10% instead.


 26.9460, 0.3245,
0.1697


 26.9460, 0.3245,
0.1697


287.3956, 0.3229,
0.2423


 17.5327, 0.3237,
0.1540


 54.7972, 0.3248,
0.1943


 10.6150, 0.3221,
0.1353


 74.0039, 0.3247,
0.2041

 5.8086, 0.3190,
0.1130


 97.2438, 0.3245,
0.2125

 2.7290, 0.3132,
0.0863

 124.9013, 0.3242,
0.2200

 0.9920, 0.3019,
0.0555

 157.3608, 0.3239,
0.2266

 0.0000, 0.2864,
0.0000

195.0068, 0.3235,

 0.0000, 0.2352,

0.2324

0.0000

238.2236, 0.3232,
0.2376


 0.0000, 0.0000,
0.0000

 26.9460, 0.3245,
0.1697


 26.9460, 0.3245,
0.1697


 25.1324, 0.3255,
0.1618


 29.8575, 0.3232,
0.1820


 24.2408, 0.3264,
0.1581


 34.0005, 0.3218,
0.1983


 24.0478, 0.3266,
0.1573


 39.4935, 0.3202,
0.2181


 46.4402, 0.3186,
0.2405

 54.9341, 0.3169,
0.2645

 65.0608, 0.3152,
0.2891

 76.9000, 0.3137,
0.3135

 90.5257, 0.3122,
0.3372

 95.9151, 0.3115,
0.3452

Harmonies

Analogous

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



26.9460, 0.1905, 0.1327



26.9460, 0.3245, 0.1697



26.9460, 0.4971, 0.2342

Triad

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



26.9460, 0.3245, 0.1697



26.9460, 0.4909, 0.5059



26.9460, 0.0891, 0.2402

Complementary

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



26.9460, 0.3245, 0.1697



62.3237, 0.3005, 0.5670

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.



26.9460, 0.1346, 0.4257



26.9460, 0.3245, 0.1697



26.9460, 0.3620, 0.6147

Square

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



26.9460, 0.3245, 0.1697



26.9460, 0.5866, 0.3959



26.9460, 0.2357, 0.6181



26.9460, 0.0867, 0.1536

Rectangle

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



26.9460, 0.3245, 0.1697



26.9460, 0.5823, 0.2848



26.9460, 0.2357, 0.6181



26.9460, 0.0984, 0.2902

Sweetspot

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



26.9473, 0.3245, 0.1697



68.0346, 0.3163, 0.2728



9.9330, 0.1689, 0.0900



13.6949, 0.3169, 0.2639



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.



26.9473, 0.3245, 0.1697



28.6645, 0.3260, 0.1592



23.0205, 0.4468, 0.2466



16.0250, 0.3141, 0.3062



13.4174, 0.3265, 0.1572



1.1181, 0.3257, 0.1568

Inverse Universe

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



26.9473, 0.3245, 0.1697



28.6645, 0.3260, 0.1592



64.2005, 0.2671, 0.4547



16.0250, 0.3141, 0.3062



13.4174, 0.3265, 0.1572



1.1181, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 26.9460, 0.3245, 0.1697 looks on a white background.

Color Contrast Check

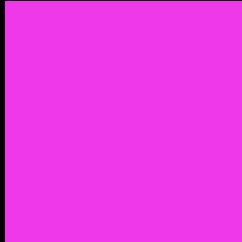
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9460, 0.3245, 0.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

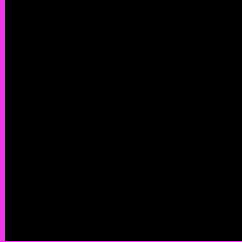
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9460, 0.3245, 0.1697

Background



This preview shows how black text looks on a background with the Yxy color 26.9460, 0.3245, 0.1697.



This preview shows how white text looks on a background with the Yxy color 26.9460, 0.3245, 0.1697.

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

26.9460, 0.3245, 0.1697

Protanopia

27.2818, 0.1970, 0.1745

Deuteranopia

27.2758, 0.2195, 0.2140



Tritanopia

26.6736, 0.4630, 0.3215

Trichromacy



Original Color

26.9460, 0.3245, 0.1697



Protanomaly

23.0160, 0.2247, 0.1569



Deuteranomaly

23.3439, 0.2459, 0.1794



Tritanomaly

25.6801, 0.4114, 0.2542

Monochromacy



Original Color

26.9460, 0.3245, 0.1697



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.2738, 0.3195, 0.2377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9460, 0.3245, 0.1697 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(238, 56, 234)` looks like.

```
.text, #text, p{  
    color:rgb(238, 56, 234)  
}
```

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(238, 56, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 56, 234) }
```

Border

The CSS property to change the border of an element to Yxy 26.9460, 0.3245, 0.1697 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(238, 56, 234) }
```

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

```
.border{ border-color:rgb(238, 56, 234) }
```

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

Here you see how a box with a 4 pixel rgb(238, 56, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 56, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 56, 234);  
box-shadow:4px 4px 4px 4px rgb(238, 56,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9460, 0.3245, 0.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 56, 234) }
```

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

```
.background{ background-color: rgb(238, 56,  
234) }
```

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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