

Converting Colors

$Y_{xy}(33.2929, 0.2905, 0.1637)$

Have a look what the booklet for
Yxy(33.2929, 0.2905, 0.1637)
contains.

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Color

Yxy(32.2040, 0.3027, 0.1727)

Conversions

Conversions Part 1

Format	Color
Hex	ED58FF
RGB	237, 88, 255
RGB Percent	93%, 35%, 100%
CMY	0.0708, 0.6546, 0.0001
CMYK	0.07, 0.65, 0.00, 0.00
HSL	294°, 100%, 67%
HSV	294°, 65%, 100%
XYZ	56.4456, 32.2040, 97.8241
YIQ	151.5890, 35.1970, 83.5250

Conversions

Conversions Part 2

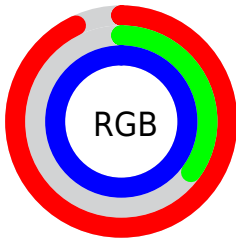
Format	Color
R _{YB}	237, 88, 255
Decimal	15554815
CIE Lab	63.51, 77.55, -55.90
CIE LCh	64, 95.600, 324.218
Yxy	32.2040, 0.3027, 0.1727
Android (android.graphics.Color)	4293744895 (0xFFED58FF)
YUV	151.5890, 50.9816, 74.9054
Hunter-Lab	56.7486, 78.2370, -62.4810

Details

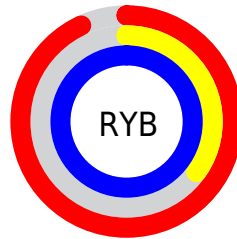
The Yxy color **32.2040, 0.3027, 0.1727** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **75.2789, 0.3100, 0.5368**, and the grayscale version is **30.9909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **13.4435, 0.2954, 0.1406** is the 20% darker color. If you saturate the color by 10%, you get **28.2512, 0.3001, 0.1576**, and if you desaturate by 10%, it is **37.6302, 0.3051, 0.1918**.

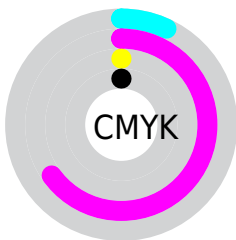
Distribution



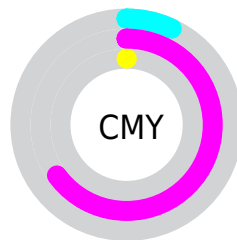
- Red (93%)
- Green (35%)
- Blue (100%)



- Red (93%)
- Yellow (35%)
- Blue (100%)



- Cyan (7%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2040, 0.3027, 0.1727 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 32.2040, 0.3027, 0.1727 by changing the saturation by 10% instead.

 32.2040, 0.3027,
0.1727


 32.2040, 0.3027,
0.1727


312.0475, 0.3117,
0.2423


 21.5174, 0.2996,
0.1580


 63.1308, 0.3067,
0.1960


 13.5027, 0.2951,
0.1406


 84.1397, 0.3080,
0.2053

 7.7756, 0.2887,
0.1199


 109.3581, 0.3090,
0.2135

 3.9517, 0.2791,
0.0952

 139.1705, 0.3098,
0.2206

 1.6466, 0.2638,
0.0665

173.9613, 0.3104,
0.2270

 0.3887, 0.2402,
0.0291

214.1148, 0.3109,

 0.0000, 0.1976,

0.2326

0.0000

260.0154, 0.3114,
0.2377

■ 0.0000, 0.0651,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2040, 0.3027,
0.1727

■ 32.2040, 0.3027,
0.1727

■ 28.2512, 0.3001,
0.1576

■ 37.6302, 0.3051,
0.1918

■ 25.6074, 0.2974,
0.1470

■ 44.6627, 0.3072,
0.2142


■ 24.0759, 0.2946,
0.1408

■ 53.4245, 0.3090,
0.2387

■ 23.6178, 0.2933,
0.1389

■ 64.0252, 0.3104,
0.2644

 76.5654, 0.3115,
0.2903

 91.1386, 0.3124,
0.3156

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



32.2040, 0.1857, 0.1412



32.2040, 0.3027, 0.1727



32.2040, 0.4591, 0.2317

Triad

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



32.2040, 0.3027, 0.1727



32.2040, 0.5004, 0.4845



32.2040, 0.1062, 0.2695

Complementary

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



32.2040, 0.3027, 0.1727



75.2789, 0.3100, 0.5368

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.



32.2040, 0.1605, 0.4477



32.2040, 0.3027, 0.1727



32.2040, 0.3854, 0.5839

Square

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



32.2040, 0.3027, 0.1727



32.2040, 0.5786, 0.3869



32.2040, 0.2642, 0.6001



32.2040, 0.0971, 0.1743

Rectangle

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



32.2040, 0.3027, 0.1727



32.2040, 0.5461, 0.2802



32.2040, 0.2642, 0.6001



32.2040, 0.1184, 0.3206

Sweetspot

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



32.2054, 0.3027, 0.1727



70.6356, 0.3111, 0.2785



19.9281, 0.1898, 0.1381



14.3758, 0.3107, 0.2712



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.



32.2054, 0.3027, 0.1727



27.1797, 0.2991, 0.1533



32.0092, 0.3901, 0.2307



18.1948, 0.3121, 0.3055



12.3841, 0.2938, 0.1392



1.2331, 0.2971, 0.1410

Inverse Universe

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



29.2907, 0.5065, 0.3134



24.3690, 0.5669, 0.3153



75.8494, 0.2784, 0.4645



18.0190, 0.3277, 0.3265



11.1617, 0.6276, 0.3231



1.0967, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 32.2040, 0.3027, 0.1727 looks on a white background.

Color Contrast Check

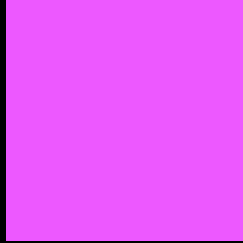
Large Text (above 18pt) WCAG AA × Fail

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 32.2040, 0.3027, 0.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

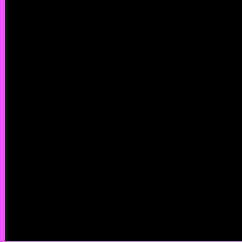
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2040, 0.3027, 0.1727

Background



This preview shows how black text looks on a background with the Yxy color 32.2040, 0.3027, 0.1727.



This preview shows how white text looks on a background with the Yxy color 32.2040, 0.3027, 0.1727.

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

32.2040, 0.3027, 0.1727

Protanopia

32.6044, 0.2120, 0.1952

Deuteranopia

32.5859, 0.2149, 0.2085



Tritanopia

31.9181, 0.4168, 0.3186

Trichromacy



Original Color

32.2040, 0.3027, 0.1727



Protanomaly

29.7263, 0.2357, 0.1775



Deuteranomaly

29.4180, 0.2370, 0.1841

Tritanomaly

31.1336, 0.3719, 0.2544

Monochromacy



Original Color

32.2040, 0.3027, 0.1727



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.4419, 0.3101, 0.2497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2040, 0.3027, 0.1727 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(237, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 88, 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(237, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 88, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.2040, 0.3027, 0.1727 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(237, 88, 255) }
```

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

```
.border{ border-color:rgb(237, 88, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 88, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 88,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2040, 0.3027, 0.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 88, 255) }
```

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

```
.background{ background-color: rgb(237, 88,  
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](#).

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