

Converting Colors

$Y_{xy}(32.5502, 0.3046, 0.1735)$

Have a look what the booklet for
Yxy(32.5502, 0.3046, 0.1735)
contains.

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Color

Yxy(32.5502, 0.3046, 0.1735)

Conversions

Conversions Part 1

Format	Color
Hex	EF58FF
RGB	239, 88, 255
RGB Percent	94%, 35%, 100%
CMY	0.0627, 0.6550, 0.0000
CMYK	0.06, 0.66, 0.00, 0.00
HSL	294°, 100%, 67%
HSV	294°, 66%, 100%
XYZ	57.1458, 32.5502, 97.9133
YIQ	152.1870, 36.3890, 83.9490

Conversions

Conversions Part 2

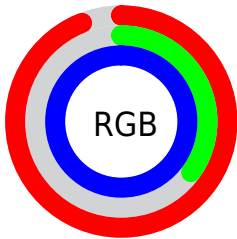
Format	Color
R _Y B	239, 88, 255
Decimal	15685887
CIE Lab	63.80, 78.06, -55.47
CIE LCh	64, 95.761, 324.604
Yxy	32.5502, 0.3046, 0.1735
Android (android.graphics.Color)	4293875967 (0xFFEF58FF)
YUV	152.1870, 50.6868, 76.1350
Hunter-Lab	57.0528, 78.9486, -61.8158

Details

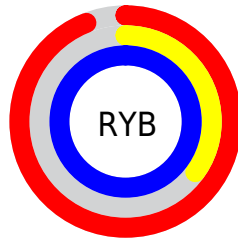
The Yxy color **32.5502, 0.3046, 0.1735** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **75.1645, 0.3091, 0.5375**, and the grayscale version is **31.2446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **13.6583, 0.2979, 0.1418** is the 20% darker color. If you saturate the color by 10%, you get **28.6490, 0.3024, 0.1587**, and if you desaturate by 10%, it is **37.9176, 0.3066, 0.1924**.

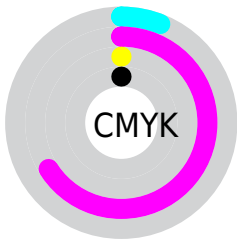
Distribution



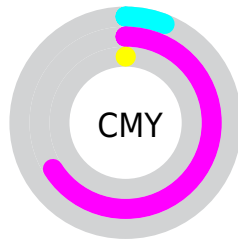
- Red (94%)
- Green (35%)
- Blue (100%)



- Red (94%)
- Yellow (35%)
- Blue (100%)



- Cyan (6%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5502, 0.3046, 0.1735 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 32.5502, 0.3046, 0.1735 by changing the saturation by 10% instead.

 32.5502, 0.3046,
0.1735


 32.5502, 0.3046,
0.1735


313.6180, 0.3126,
0.2427


 21.7821, 0.3017,
0.1589


 63.6726, 0.3082,
0.1966


 13.6969, 0.2976,
0.1416


 84.7958, 0.3094,
0.2059

 7.9101, 0.2916,
0.1210


 110.1393, 0.3103,
0.2140

 4.0375, 0.2824,
0.0965

 140.0878, 0.3110,
0.2211

 1.6946, 0.2679,
0.0678

175.0255, 0.3116,
0.2274

 0.4201, 0.2452,
0.0311

215.3368, 0.3120,

 0.0000, 0.2042,

0.2331

0.0000

261.4062, 0.3123,
0.2381

0.0000, 0.0809,
0.0000

0.0000, 0.0000,
0.0000

32.5502, 0.3046,
0.1735

32.5502, 0.3046,
0.1735

28.6490, 0.3024,
0.1587

37.9176, 0.3066,
0.1924

26.0574, 0.3000,
0.1484


44.8923, 0.3084,
0.2145

24.5758, 0.2976,
0.1424

53.5946, 0.3098,
0.2388

24.1426, 0.2965,
0.1407

64.1342, 0.3110,
0.2644

 76.6118, 0.3119,
0.2902

 91.1209, 0.3125,
0.3155

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.5502, 0.1871, 0.1416



32.5502, 0.3046, 0.1735



32.5502, 0.4608, 0.2327

Triad

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



32.5502, 0.3046, 0.1735



32.5502, 0.4989, 0.4858



32.5502, 0.1061, 0.2679

Complementary

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



32.5502, 0.3046, 0.1735



75.1645, 0.3091, 0.5375

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.



32.5502, 0.1597, 0.4449



32.5502, 0.3046, 0.1735



32.5502, 0.3839, 0.5846

Square

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



32.5502, 0.3046, 0.1735



32.5502, 0.5777, 0.3881



32.5502, 0.2628, 0.5986



32.5502, 0.0975, 0.1738

Rectangle

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



32.5502, 0.3046, 0.1735



32.5502, 0.5470, 0.2813



32.5502, 0.2628, 0.5986



32.5502, 0.1181, 0.3185

Sweetspot

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



32.5490, 0.3046, 0.1735



70.7519, 0.3115, 0.2786



19.3306, 0.1890, 0.1349



14.4041, 0.3113, 0.2713



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.



32.5490, 0.3046, 0.1735



27.6024, 0.3016, 0.1546



31.8740, 0.3938, 0.2332



18.2068, 0.3123, 0.3055



12.6512, 0.2969, 0.1409



1.2564, 0.2998, 0.1425

Inverse Universe

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



29.2336, 0.5095, 0.3154



24.3354, 0.5699, 0.3171



75.9527, 0.2772, 0.4609



18.0153, 0.3279, 0.3268



11.1535, 0.6295, 0.3241



1.0950, 0.6089, 0.3128

Previews

White Background



This preview shows how the Yxy color 32.5502, 0.3046, 0.1735 looks on a white background.

Color Contrast Check

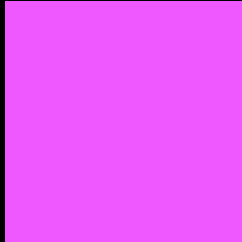
Large Text (above 18pt) WCAG AA × Fail

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 32.5502, 0.3046, 0.1735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

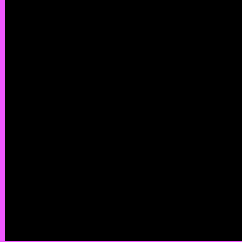
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5502, 0.3046, 0.1735

Background



This preview shows how black text looks on a background with the Yxy color 32.5502, 0.3046, 0.1735.



This preview shows how white text looks on a background with the Yxy color 32.5502, 0.3046, 0.1735.

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

32.5502, 0.3046, 0.1735

Protanopia

33.0560, 0.2133, 0.1968

Deuteranopia

33.0385, 0.2162, 0.2102



Tritanopia

32.2358, 0.4189, 0.3187

Trichromacy



Original Color

32.5502, 0.3046, 0.1735



Protanomaly

30.1896, 0.2374, 0.1791



Deuteranomaly

29.8799, 0.2387, 0.1858

Tritanomaly

31.4607, 0.3740, 0.2550

Monochromacy



Original Color

32.5502, 0.3046, 0.1735



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.5650, 0.3112, 0.2500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5502, 0.3046, 0.1735 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(239, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 88, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.5502, 0.3046, 0.1735 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(239, 88, 255) }
```

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

```
.border{ border-color:rgb(239, 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(239, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 88,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5502, 0.3046, 0.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 88, 255) }
```

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

```
.background{ background-color: rgb(239, 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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