

Converting Colors

$Y_{xy}(30.5462, 0.2970, 0.1675)$

Have a look what the booklet for
Yxy(30.5462, 0.2970, 0.1675)
contains.

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Color

Yxy(30.5496, 0.2971, 0.1675)

Conversions

Conversions Part 1

Format	Color
Hex	E754FF
RGB	231, 84, 255
RGB Percent	91%, 33%, 100%
CMY	0.0939, 0.6708, 0.0000
CMYK	0.09, 0.67, 0.00, 0.00
HSL	292°, 100%, 66%
HSV	292°, 67%, 100%
XYZ	54.1868, 30.5496, 97.6493
YIQ	147.4470, 32.7210, 84.3450

Conversions

Conversions Part 2

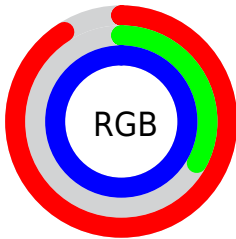
Format	Color
R _Y B	231, 84, 255
Decimal	15160575
CIE Lab	62.13, 77.84, -58.17
CIE LCh	62, 97.179, 323.230
Yxy	30.5496, 0.2971, 0.1675
Android (android.graphics.Color)	4293350655 (0xFFE754FF)
YUV	147.4470, 53.0236, 73.2760
Hunter-Lab	55.2717, 78.2708, -66.0583

Details

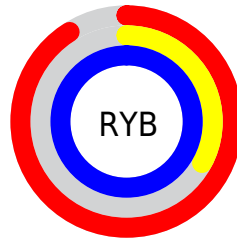
The Yxy color **30.5496, 0.2971, 0.1675** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **75.3416, 0.3121, 0.5401**, and the grayscale version is **29.1329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **12.6891, 0.2877, 0.1358** is the 20% darker color. If you saturate the color by 10%, you get **26.7010, 0.2935, 0.1524**, and if you desaturate by 10%, it is **35.8522, 0.3005, 0.1867**.

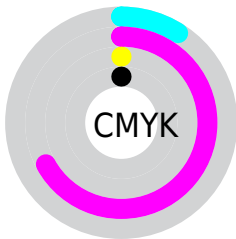
Distribution



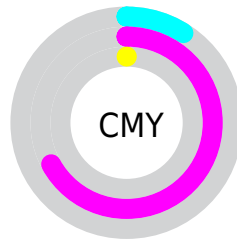
- Red (91%)
- Green (33%)
- Blue (100%)



- Red (91%)
- Yellow (33%)
- Blue (100%)



- Cyan (9%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5496, 0.2971, 0.1675 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 30.5496, 0.2971, 0.1675 by changing the saturation by 10% instead.


 30.5496, 0.2971,
0.1675

 30.5496, 0.2971,
0.1675


304.4579, 0.3091,
0.2395

 20.2561, 0.2932,
0.1523


 60.5303, 0.3022,
0.1916


 12.5814, 0.2877,
0.1344


 80.9862, 0.3040,
0.2012

 7.1409, 0.2799,
0.1132


 105.5985, 0.3053,
0.2096

 3.5504, 0.2684,
0.0882

 134.7514, 0.3064,
0.2171

 1.4254, 0.2506,
0.0595

168.8295, 0.3073,
0.2236

 0.2353, 0.2245,
0.0183

208.2170, 0.3080,

 0.0000, 0.1760,

0.2295

0.0000

253.2983, 0.3086,
0.2348

■ 0.0000, 0.0086,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.5496, 0.2971,
0.1675

■ 30.5496, 0.2971,
0.1675

■ 26.7010, 0.2935,
0.1524

■ 35.8522, 0.3005,
0.1867

■ 24.1378, 0.2898,
0.1419

■ 42.7456, 0.3035,
0.2092

■ 22.6502, 0.2862,
0.1357

■ 51.3547, 0.3062,
0.2339

■ 22.3256, 0.2851,
0.1344

■ 61.7911, 0.3085,
0.2598

 74.1568, 0.3104,
0.2860

 88.5463, 0.3119,
0.3116

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.



30.5496, 0.1794, 0.1366



30.5496, 0.2971, 0.1675



30.5496, 0.4585, 0.2265

Triad

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



30.5496, 0.2971, 0.1675



30.5496, 0.5064, 0.4819



30.5496, 0.1023, 0.2714

Complementary

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



30.5496, 0.2971, 0.1675



75.3416, 0.3121, 0.5401

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.



30.5496, 0.1584, 0.4589



30.5496, 0.2971, 0.1675



30.5496, 0.3884, 0.5872

Square

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



30.5496, 0.2971, 0.1675



30.5496, 0.5863, 0.3824



30.5496, 0.2647, 0.6129



30.5496, 0.0925, 0.1719

Rectangle

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



30.5496, 0.2971, 0.1675



30.5496, 0.5501, 0.2754



30.5496, 0.2647, 0.6129



30.5496, 0.1149, 0.3251

Sweetspot

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



30.5508, 0.2971, 0.1675



70.3364, 0.3099, 0.2783



20.1710, 0.1885, 0.1396



14.3031, 0.3094, 0.2710



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.



30.5508, 0.2971, 0.1675



25.8268, 0.2925, 0.1489



31.5399, 0.3856, 0.2241



18.1639, 0.3115, 0.3054



11.7152, 0.2857, 0.1347



1.1746, 0.2899, 0.1371

Inverse Universe

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



28.6744, 0.5066, 0.3083



24.2004, 0.5628, 0.3106



75.4109, 0.2806, 0.4762



18.0285, 0.3272, 0.3257



11.1869, 0.6218, 0.3199



1.1012, 0.5957, 0.3056

Previews

White Background



This preview shows how the Yxy color 30.5496, 0.2971, 0.1675 looks on a white background.

Color Contrast Check

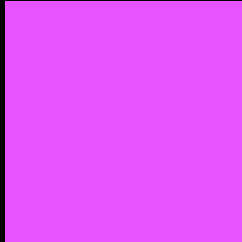
Large Text (above 18pt) WCAG AA × Fail

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 30.5496, 0.2971, 0.1675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

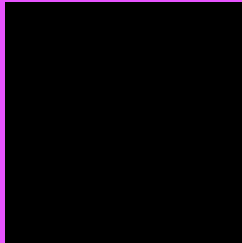
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5496, 0.2971, 0.1675

Background



This preview shows how black text looks on a background with the Yxy color 30.5496, 0.2971, 0.1675.



This preview shows how white text looks on a background with the Yxy color 30.5496, 0.2971, 0.1675.

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

30.5496, 0.2971, 0.1675

Protanopia

30.9122, 0.2075, 0.1889

Deuteranopia

31.0446, 0.2093, 0.2030



Tritanopia

30.2789, 0.4127, 0.3182

Trichromacy



Original Color

30.5496, 0.2971, 0.1675



Protanomaly

28.0249, 0.2300, 0.1712



Deuteranomaly

27.8853, 0.2307, 0.1785



Tritanomaly

29.4838, 0.3672, 0.2505

Monochromacy



Original Color

30.5496, 0.2971, 0.1675



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4255, 0.3080, 0.2453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5496, 0.2971, 0.1675 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(231, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 84, 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(231, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 84, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.5496, 0.2971, 0.1675 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(231, 84, 255) }
```

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

```
.border{ border-color:rgb(231, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 84,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5496, 0.2971, 0.1675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 84, 255) }
```

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

```
.background{ background-color: rgb(231, 84,  
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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