

Converting Colors

$Y_{xy}(30.2700, 0.3207, 0.1844)$

Have a look what the booklet for
Yxy(30.2700, 0.3207, 0.1844)
contains.

Yxy(30.2704, 0.3215, 0.1847)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.2704, 0.3215, 0.1847)

Conversions

Conversions Part 1

Format	Color
Hex	EC55EA
RGB	236, 85, 234
RGB Percent	93%, 33%, 92%
CMY	0.0746, 0.6666, 0.0822
CMYK	0.00, 0.64, 0.01, 0.07
HSL	301°, 80%, 63%
HSV	301°, 64%, 93%
XYZ	52.6905, 30.2704, 80.9287
YIQ	147.1350, 42.1670, 78.3510

Conversions

Conversions Part 2

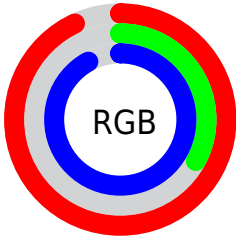
Format	Color
R _Y B	236, 85, 234
Decimal	15488490
CIE Lab	61.89, 75.02, -46.88
CIE LCh	62, 88.464, 328.000
Yxy	30.2704, 0.3215, 0.1847
Android (android.graphics.Color)	4293678570 (0xFFEC55EA)
YUV	147.1350, 42.8244, 77.9346
Hunter-Lab	55.0185, 74.6645, -48.6987

Details

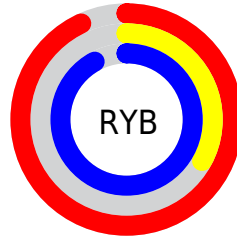
The Yxy color **30.2704, 0.3215, 0.1847** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **62.6008, 0.3023, 0.5338**, and the grayscale version is **29.0459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **12.5615, 0.3195, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **27.1369, 0.3225, 0.1713**, and if you desaturate by 10%, it is **34.6451, 0.3203, 0.2021**.

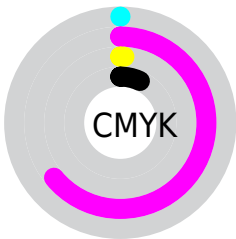
Distribution



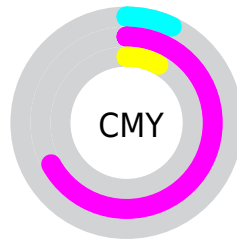
- Red (93%)
- Green (33%)
- Blue (92%)



- Red (93%)
- Yellow (33%)
- Blue (92%)



- Cyan (0%)
- Magenta (64%)
- Yellow (1%)
- Black (7%)





- Cyan (7%)
- Magenta (67%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2704, 0.3215, 0.1847 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 30.2704, 0.3215, 0.1847 by changing the saturation by 10% instead.


 30.2704, 0.3215,
0.1847


 30.2704, 0.3215,
0.1847


303.1628, 0.3206,
0.2509


 20.0439, 0.3208,
0.1702

 60.0895, 0.3219,
0.2073


 12.4270, 0.3194,
0.1527


 80.4510, 0.3218,
0.2162

 7.0352, 0.3168,
0.1315


 104.9595, 0.3217,
0.2239

 3.4841, 0.3119,
0.1056

 133.9996, 0.3215,
0.2307

 1.3894, 0.3025,
0.0743

167.9556, 0.3213,
0.2366

 0.2089, 0.2886,
0.0225

207.2118, 0.3210,

 0.0000, 0.2466,

0.2419

0.0000

252.1528, 0.3208,
0.2466

■ 0.0000, 0.0000,
0.0000

■ 30.2704, 0.3215,
0.1847

■ 30.2704, 0.3215,
0.1847

■ 27.1369, 0.3225,
0.1713

■ 34.6451, 0.3203,
0.2021

■ 25.1118, 0.3233,
0.1623

■ 40.3678, 0.3190,
0.2227

■ 24.0396, 0.3239,
0.1574

■ 47.5388, 0.3175,
0.2457


■ 23.7090, 0.3242,
0.1560


■ 56.2475, 0.3161,
0.2701

■ 66.5762, 0.3146,
0.2949

 78.6014, 0.3132,
0.3195

 92.3945, 0.3119,
0.3431

 95.4336, 0.3115,
0.3475

 95.4514, 0.3114,
0.3472

Harmonies

Analogous

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



30.2704, 0.2026, 0.1502



30.2704, 0.3215, 0.1847



30.2704, 0.4695, 0.2450

Triad

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



30.2704, 0.3215, 0.1847



30.2704, 0.4835, 0.4950



30.2704, 0.1109, 0.2582

Complementary

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



30.2704, 0.3215, 0.1847



62.6008, 0.3023, 0.5338

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.



30.2704, 0.1586, 0.4175



30.2704, 0.3215, 0.1847



30.2704, 0.3720, 0.5816

Square

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



30.2704, 0.3215, 0.1847



30.2704, 0.5626, 0.3999



30.2704, 0.2550, 0.5730



30.2704, 0.1057, 0.1746

Rectangle

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



30.2704, 0.3215, 0.1847



30.2704, 0.5453, 0.2933



30.2704, 0.2550, 0.5730



30.2704, 0.1213, 0.3032

Sweetspot

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



30.2718, 0.3215, 0.1847



72.8476, 0.3154, 0.2823



14.4869, 0.1882, 0.1232



14.8541, 0.3158, 0.2751



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.



30.2718, 0.3215, 0.1847



31.4094, 0.3228, 0.1678



26.8852, 0.4116, 0.2502



15.3102, 0.3140, 0.3061



13.0726, 0.3242, 0.1559



1.0276, 0.3237, 0.1557

Inverse Universe

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



30.2718, 0.3215, 0.1847



31.4094, 0.3228, 0.1678



64.4687, 0.2704, 0.4344



15.3102, 0.3140, 0.3061



13.0726, 0.3242, 0.1559



1.0276, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 30.2704, 0.3215, 0.1847 looks on a white background.

Color Contrast Check

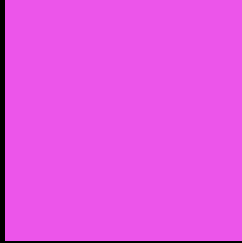
Large Text (above 18pt) WCAG AA × Fail

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 30.2704, 0.3215, 0.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

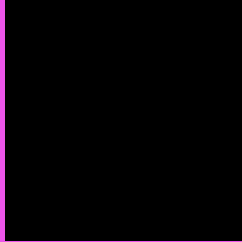
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2704, 0.3215, 0.1847

Background



This preview shows how black text looks on a background with the Yxy color 30.2704, 0.3215, 0.1847.



This preview shows how white text looks on a background with the Yxy color 30.2704, 0.3215, 0.1847.

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

30.2704, 0.3215, 0.1847

Protanopia

30.6025, 0.2072, 0.1876

Deuteranopia

30.5897, 0.2296, 0.2237



Tritanopia

29.9169, 0.4322, 0.3188

Trichromacy



Original Color

30.2704, 0.3215, 0.1847



Protanomaly

27.7100, 0.2358, 0.1778



Deuteranomaly

27.9967, 0.2553, 0.1987



Tritanomaly

29.3137, 0.3911, 0.2615

Monochromacy



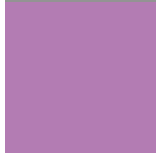
Original Color

30.2704, 0.3215, 0.1847



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.2537, 0.3162, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2704, 0.3215, 0.1847 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(236, 85, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 85, 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(236, 85, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 85, 234) }
```

Border

The CSS property to change the border of an element to Yxy 30.2704, 0.3215, 0.1847 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(236, 85, 234) }
```

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

```
.border{ border-color:rgb(236, 85, 234) }
```

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

Here you see how a box with a 4 pixel rgb(236, 85, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 85, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 85, 234);  
box-shadow:4px 4px 4px 4px rgb(236, 85,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2704, 0.3215, 0.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 85, 234) }
```

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

```
.background{ background-color: rgb(236, 85,  
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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