

Converting Colors

Yxy(36.0906, 0.2938, 0.1892)

Have a look what the booklet for
Yxy(36.0906, 0.2938, 0.1892)
contains.

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Color

Yxy(36.0417, 0.2936, 0.1891)

Conversions

Conversions Part 1

Format	Color
Hex	E374FF
RGB	227, 116, 255
RGB Percent	89%, 45%, 100%
CMY	0.1100, 0.5449, 0.0001
CMYK	0.11, 0.54, 0.00, 0.00
HSL	288°, 100%, 73%
HSV	288°, 54%, 100%
XYZ	55.9590, 36.0417, 98.5953
YIQ	165.0350, 21.5370, 66.7610

Conversions

Conversions Part 2

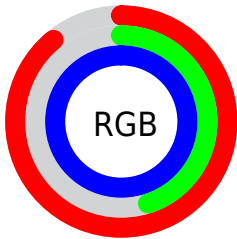
Format	Color
R _Y B	227, 116, 255
Decimal	14906623
CIE Lab	66.55, 63.24, -51.16
CIE LCh	67, 81.341, 321.026
Yxy	36.0417, 0.2936, 0.1891
Android (android.graphics.Color)	4293096703 (0xFFE374FF)
YUV	165.0350, 44.3527, 54.3433
Hunter-Lab	60.0347, 61.3208, -55.3479

Details

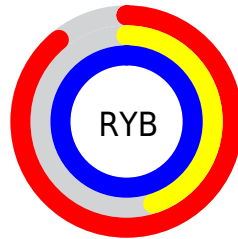
The Yxy color **36.0417, 0.2936, 0.1891** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **78.7034, 0.3187, 0.4975**, and the grayscale version is **37.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **15.7440, 0.2849, 0.1592** is the 20% darker color. If you saturate the color by 10%, you get **30.1232, 0.2885, 0.1677**, and if you desaturate by 10%, it is **43.6012, 0.2983, 0.2134**.

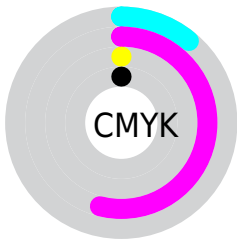
Distribution



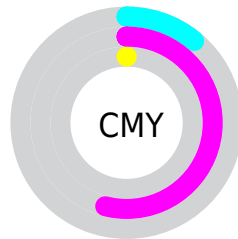
- Red (89%)
- Green (45%)
- Blue (100%)



- Red (89%)
- Yellow (45%)
- Blue (100%)



- Cyan (11%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0417, 0.2936, 0.1891 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 36.0417, 0.2936, 0.1891 by changing the saturation by 10% instead.


 36.0417, 0.2936,
0.1891

 36.0417, 0.2936,
0.1891


329.1428, 0.3061,
0.2521

 24.4664, 0.2899,
0.1755


 69.0964, 0.2986,
0.2104

 15.6800, 0.2849,
0.1593


 91.3446, 0.3004,
0.2188

 9.2980, 0.2778,
0.1397

 117.9193, 0.3018,
0.2262

 4.9360, 0.2677,
0.1158

149.2048, 0.3030,
0.2327

 2.2098, 0.2522,
0.0869

185.5854, 0.3040,
0.2384

 0.7253, 0.2275,
0.0526

227.4457, 0.3048,

 0.0000, 0.1896,

0.2434

0.0000

275.1701, 0.3055,
0.2480

0.0000, 0.0522,
0.0000

0.0000, 0.0000,
0.0000

36.0417, 0.2936,
0.1891

36.0417, 0.2936,
0.1891

30.1232, 0.2885,
0.1677

43.6012, 0.2983,
0.2134

25.7054, 0.2831,
0.1502

52.9173, 0.3025,
0.2394

22.6321, 0.2776,
0.1372

64.1006, 0.3062,
0.2660

20.7099, 0.2722,
0.1288

77.2511, 0.3092,
0.2925

■ 19.9911, 0.2693,
0.1257

■ 92.4617, 0.3117,
0.3180

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



36.0417, 0.1964, 0.1631



36.0417, 0.2936, 0.1891



36.0417, 0.4211, 0.2405

Triad

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



36.0417, 0.2936, 0.1891



36.0417, 0.4920, 0.4660



36.0417, 0.1374, 0.2969

Complementary

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



36.0417, 0.2936, 0.1891



78.7034, 0.3187, 0.4975

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.



36.0417, 0.1948, 0.4417



36.0417, 0.2936, 0.1891



36.0417, 0.3983, 0.5418

Square

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



36.0417, 0.2936, 0.1891



36.0417, 0.5451, 0.3833



36.0417, 0.2912, 0.5511



36.0417, 0.1223, 0.2050

Rectangle

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



36.0417, 0.2936, 0.1891



36.0417, 0.4965, 0.2846



36.0417, 0.2912, 0.5511



36.0417, 0.1514, 0.3413

Sweetspot

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



36.0432, 0.2936, 0.1891



75.1467, 0.3088, 0.2885



31.5385, 0.2143, 0.1901



15.4831, 0.3082, 0.2831



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.



36.0432, 0.2936, 0.1891



29.8672, 0.2882, 0.1667



38.6953, 0.3571, 0.2310



18.1045, 0.3105, 0.3053



10.5128, 0.2702, 0.1262



1.0683, 0.2763, 0.1296

Inverse Universe

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



35.7733, 0.4419, 0.3010



29.8687, 0.4834, 0.2984



77.6021, 0.2875, 0.4562



18.0470, 0.3262, 0.3242



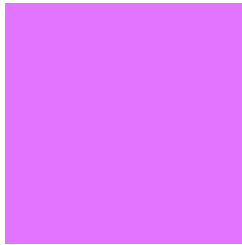
11.2525, 0.6075, 0.3120



1.1103, 0.5777, 0.2956

Previews

White Background



This preview shows how the Yxy color 36.0417, 0.2936, 0.1891 looks on a white background.

Color Contrast Check

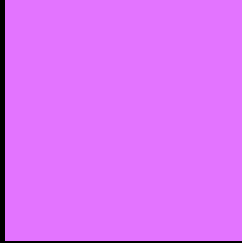
Large Text (above 18pt) WCAG AA × Fail

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 36.0417, 0.2936, 0.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

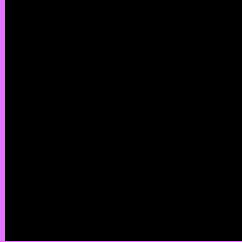
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0417, 0.2936, 0.1891

Background



This preview shows how black text looks on a background with the Yxy color 36.0417, 0.2936, 0.1891.



This preview shows how white text looks on a background with the Yxy color 36.0417, 0.2936, 0.1891.

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

36.0417, 0.2936, 0.1891

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.6210, 0.2247, 0.2189



Tritanopia

35.7920, 0.3778, 0.3155

Trichromacy



Original Color

36.0417, 0.2936, 0.1891



Protanomaly

34.5463, 0.2426, 0.1959



Deuteranomaly

34.6265, 0.2443, 0.2020

Tritanomaly

35.3982, 0.3449, 0.2620

Monochromacy



Original Color

36.0417, 0.2936, 0.1891



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.6360, 0.3061, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0417, 0.2936, 0.1891 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(227, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 116, 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(227, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 116, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.0417, 0.2936, 0.1891 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(227, 116, 255) }
```

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

```
.border{ border-color:rgb(227, 116, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 116, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 116, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 116,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0417, 0.2936, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 116, 255) }
```

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

```
.background{ background-color: rgb(227,  
116, 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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