

Converting Colors

$Y_{xy}(36.8240, 0.3303, 0.2153)$

Have a look what the booklet for
Yxy(36.8240, 0.3303, 0.2153)
contains.

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Color

Yxy(36.7930, 0.3309, 0.2154)

Conversions

Conversions Part 1

Format	Color
Hex	F174E4
RGB	241, 116, 228
RGB Percent	95%, 45%, 89%
CMY	0.0549, 0.5451, 0.1060
CMYK	0.00, 0.52, 0.05, 0.05
HSL	306°, 82%, 70%
HSV	306°, 52%, 95%
XYZ	56.5218, 36.7930, 77.4976
YIQ	166.1430, 38.5480, 61.3320

Conversions

Conversions Part 2

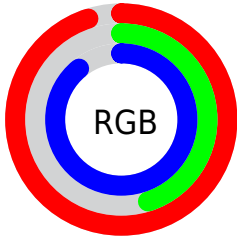
Format	Color
R _Y B	241, 116, 228
Decimal	15824100
CIE Lab	67.12, 62.18, -35.26
CIE LCh	67, 71.482, 330.448
Yxy	36.7930, 0.3309, 0.2154
Android (android.graphics.Color)	4294014180 (0xFFFF174E4)
YUV	166.1430, 30.4955, 65.6496
Hunter-Lab	60.6572, 60.1803, -33.2907

Details

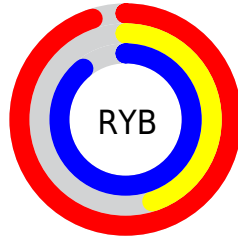
The Yxy color **36.7930, 0.3309, 0.2154** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **68.2135, 0.2990, 0.4785**, and the grayscale version is **38.0435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **16.0516, 0.3330, 0.1889** is the 20% darker color. If you saturate the color by 10%, you get **31.8016, 0.3351, 0.1982**, and if you desaturate by 10%, it is **43.2308, 0.3268, 0.2354**.

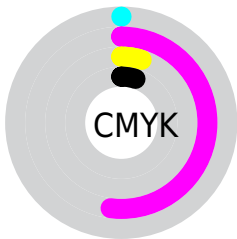
Distribution



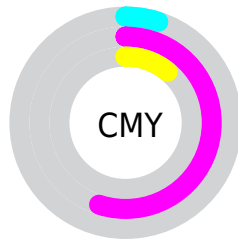
- Red (95%)
- Green (45%)
- Blue (89%)



- Red (95%)
- Yellow (45%)
- Blue (89%)



- Cyan (0%)
- Magenta (52%)
- Yellow (5%)
- Black (5%)





- Cyan (5%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7930, 0.3309, 0.2154 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 36.7930, 0.3309, 0.2154 by changing the saturation by 10% instead.


 36.7930, 0.3309,
0.2154

 36.7930, 0.3309,
0.2154


332.4135, 0.3239,
0.2681


 25.0473, 0.3320,
0.2035


 70.2543, 0.3288,
0.2336

 16.1123, 0.3332,
0.1891


 92.7387, 0.3279,
0.2407

 9.6036, 0.3342,
0.1710


 119.5713, 0.3271,
0.2468

 5.1370, 0.3348,
0.1482

151.1367, 0.3263,
0.2522

 2.3278, 0.3340,
0.1188

187.8193, 0.3257,
0.2569

 0.7884, 0.3295,
0.0806

230.0033, 0.3250,

 0.0000, 0.3254,

0.2610

0.0000

278.0732, 0.3245,
0.2647

■ 0.0000, 0.1514,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7930, 0.3309,
0.2154

■ 36.7930, 0.3309,
0.2154

■ 31.8016, 0.3351,
0.1982

■ 43.2308, 0.3268,
0.2354

■ 28.1375, 0.3392,
0.1848


■ 51.2116, 0.3230,
0.2572


■ 25.6714, 0.3431,
0.1757

■ 60.8295, 0.3194,
0.2799

■ 24.2457, 0.3468,
0.1710

■ 72.1699, 0.3161,
0.3027


 23.6526, 0.3496,
0.1699

 85.3121, 0.3132,
0.3250

 96.6957, 0.3109,
0.3408

 96.8487, 0.3095,
0.3383

 97.0037, 0.3080,
0.3358

 97.1609, 0.3066,
0.3333

Harmonies

Analogous

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



36.7930, 0.2327, 0.1834



36.7930, 0.3309, 0.2154



36.7930, 0.4414, 0.2691

Triad

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



36.7930, 0.3309, 0.2154



36.7930, 0.4541, 0.4800



36.7930, 0.1466, 0.2717

Complementary

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



36.7930, 0.3309, 0.2154



68.2135, 0.2990, 0.4785

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.



36.7930, 0.1883, 0.3862



36.7930, 0.3309, 0.2154



36.7930, 0.3649, 0.5285

Square

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



36.7930, 0.3309, 0.2154



36.7930, 0.5126, 0.4070



36.7930, 0.2678, 0.4992



36.7930, 0.1420, 0.2038

Rectangle

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



36.7930, 0.3309, 0.2154



36.7930, 0.4963, 0.3123



36.7930, 0.2678, 0.4992



36.7930, 0.1560, 0.3055

Sweetspot

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



36.7947, 0.3309, 0.2154



76.4034, 0.3174, 0.2932



23.4735, 0.2211, 0.1668



15.7858, 0.3181, 0.2885



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.



36.7947, 0.3309, 0.2154



35.9940, 0.3352, 0.1977



33.9485, 0.4004, 0.2751



16.0013, 0.3154, 0.3081



12.8377, 0.3490, 0.1696



1.0761, 0.3449, 0.1673

Inverse Universe

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



36.7947, 0.3309, 0.2154



35.9940, 0.3352, 0.1977



70.3891, 0.2688, 0.3937



16.0013, 0.3154, 0.3081



12.8377, 0.3490, 0.1696



1.0761, 0.3449, 0.1673

Previews

White Background



This preview shows how the Yxy color 36.7930, 0.3309, 0.2154 looks on a white background.

Color Contrast Check

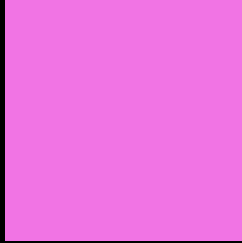
Large Text (above 18pt) WCAG AA × Fail

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 36.7930, 0.3309, 0.2154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

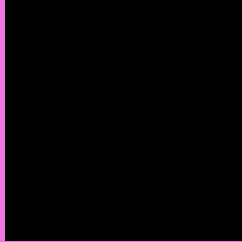
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7930, 0.3309, 0.2154

Background



This preview shows how black text looks on a background with the Yxy color 36.7930, 0.3309, 0.2154.



This preview shows how white text looks on a background with the Yxy color 36.7930, 0.3309, 0.2154.

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

36.7930, 0.3309, 0.2154

Protanopia

37.3769, 0.2252, 0.2112

Deuteranopia

36.9529, 0.2565, 0.2502



Tritanopia

36.6726, 0.4068, 0.3177

Trichromacy



Original Color

36.7930, 0.3309, 0.2154



Protanomaly

35.3894, 0.2548, 0.2088



Deuteranomaly

35.5236, 0.2799, 0.2327



Tritanomaly

36.4973, 0.3786, 0.2766

Monochromacy



Original Color

36.7930, 0.3309, 0.2154



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.1914, 0.3191, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7930, 0.3309, 0.2154 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(241, 116, 228)` looks like.

```
.text, #text, p{  
    color:rgb(241, 116, 228)  
}
```

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(241, 116, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 116, 228) }
```

Border

The CSS property to change the border of an element to Yxy 36.7930, 0.3309, 0.2154 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(241, 116, 228) }
```

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

```
.border{ border-color:rgb(241, 116, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 116, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 116, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 116, 228);  
box-shadow:4px 4px 4px 4px rgb(241, 116,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7930, 0.3309, 0.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 116, 228) }
```

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

```
.background{ background-color: rgb(241,  
116, 228) }
```

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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