

Converting Colors

Yxy(36.6968, 0.3140, 0.2026)

Have a look what the booklet for
Yxy(36.6968, 0.3140, 0.2026)
contains.

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Color

Yxy(36.6745, 0.3139, 0.2030)

Conversions

Conversions Part 1

Format	Color
Hex	EC74F1
RGB	236, 116, 241
RGB Percent	93%, 45%, 95%
CMY	0.0745, 0.5450, 0.0551
CMYK	0.02, 0.52, 0.00, 0.06
HSL	298°, 82%, 70%
HSV	298°, 52%, 94%
XYZ	56.7100, 36.6745, 87.2781
YIQ	166.1300, 31.3950, 64.3150

Conversions

Conversions Part 2

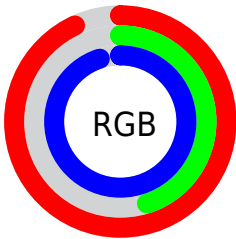
Format	Color
R _Y B	236, 116, 241
Decimal	15496433
CIE Lab	67.03, 63.03, -42.63
CIE LCh	67, 76.094, 325.931
Yxy	36.6745, 0.3139, 0.2030
Android (android.graphics.Color)	4293686513 (0xFFEC74F1)
YUV	166.1300, 36.9109, 61.2760
Hunter-Lab	60.5595, 61.1745, -43.0569

Details

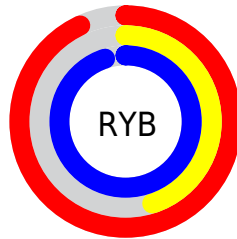
The Yxy color **36.6745, 0.3139, 0.2030** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **68.2120, 0.3075, 0.4938**, and the grayscale version is **38.0084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **15.9357, 0.3108, 0.1747** is the 20% darker color. If you saturate the color by 10%, you get **31.6588, 0.3136, 0.1840**, and if you desaturate by 10%, it is **43.1347, 0.3140, 0.2251**.

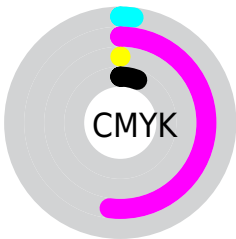
Distribution



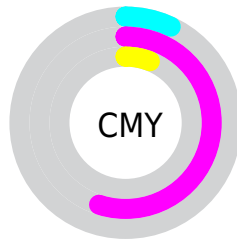
- Red (93%)
- Green (45%)
- Blue (95%)



- Red (93%)
- Yellow (45%)
- Blue (95%)



- Cyan (2%)
- Magenta (52%)
- Yellow (0%)
- Black (6%)




- Cyan (7%)
- Magenta (55%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6745, 0.3139, 0.2030 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 36.6745, 0.3139, 0.2030 by changing the saturation by 10% instead.

 36.6745, 0.3139,
0.2030


 36.6745, 0.3139,
0.2030


331.8991, 0.3159,
0.2606


 24.9556, 0.3128,
0.1903


 70.0719, 0.3151,
0.2227

 16.0440, 0.3110,
0.1750


 92.5191, 0.3155,
0.2304

 9.5553, 0.3081,
0.1561


 119.3113, 0.3157,
0.2371

 5.1051, 0.3033,
0.1327

150.8327, 0.3158,
0.2430

 2.3091, 0.2950,
0.1034

187.4678, 0.3159,
0.2482

 0.7785, 0.2796,
0.0670

229.6010, 0.3159,

 0.0000, 0.2554,

0.2528

0.0000

277.6166, 0.3159,
0.2569

■ 0.0000, 0.1046,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6745, 0.3139,
0.2030

■ 36.6745, 0.3139,
0.2030

■ 31.6588, 0.3136,
0.1840

■ 43.1347, 0.3140,
0.2251

■ 27.9690, 0.3131,
0.1688


■ 51.1363, 0.3139,
0.2492

■ 25.4756, 0.3125,
0.1579


■ 60.7733, 0.3136,
0.2744


■ 24.0213, 0.3116,
0.1514

■ 72.1309, 0.3133,
0.2997


 23.4036, 0.3109,
0.1486

 85.2883, 0.3128,
0.3245

 96.6999, 0.3126,
0.3428

 96.8693, 0.3131,
0.3428

 97.0397, 0.3137,
0.3428

 97.2109, 0.3143,
0.3428

Harmonies

Analogous

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



36.6745, 0.2156, 0.1737



36.6745, 0.3139, 0.2030



36.6745, 0.4330, 0.2558

Triad

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



36.6745, 0.3139, 0.2030



36.6745, 0.4718, 0.4746



36.6745, 0.1420, 0.2824

Complementary

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



36.6745, 0.3139, 0.2030



68.2120, 0.3075, 0.4938

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.



36.6745, 0.1909, 0.4107



36.6745, 0.3139, 0.2030



36.6745, 0.3805, 0.5365

Square

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



36.6745, 0.3139, 0.2030



36.6745, 0.5280, 0.3963



36.6745, 0.2785, 0.5239



36.6745, 0.1325, 0.2040

Rectangle

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



36.6745, 0.3139, 0.2030



36.6745, 0.4974, 0.2995



36.6745, 0.2785, 0.5239



36.6745, 0.1535, 0.3208

Sweetspot

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



36.6761, 0.3139, 0.2030



76.3686, 0.3134, 0.2891



24.0463, 0.2142, 0.1713



15.7773, 0.3135, 0.2839



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.



36.6761, 0.3139, 0.2030



35.8401, 0.3136, 0.1834



34.6799, 0.3777, 0.2556



15.9976, 0.3132, 0.3057



12.7105, 0.3110, 0.1487



1.0673, 0.3124, 0.1495

Inverse Universe

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



32.5682, 0.4574, 0.3242



30.7737, 0.5047, 0.3238



69.5895, 0.2781, 0.4196



15.7690, 0.3287, 0.3281



10.1570, 0.6359, 0.3277



0.8485, 0.6250, 0.3216

Previews

White Background



This preview shows how the Yxy color 36.6745, 0.3139, 0.2030 looks on a white background.

Color Contrast Check

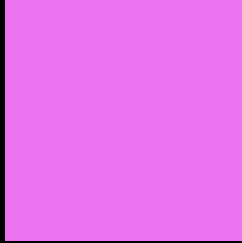
Large Text (above 18pt) WCAG AA × Fail

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 36.6745, 0.3139, 0.2030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

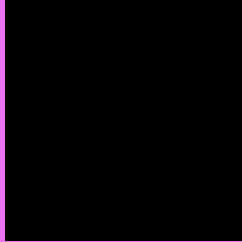
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6745, 0.3139, 0.2030

Background



This preview shows how black text looks on a background with the Yxy color 36.6745, 0.3139, 0.2030.

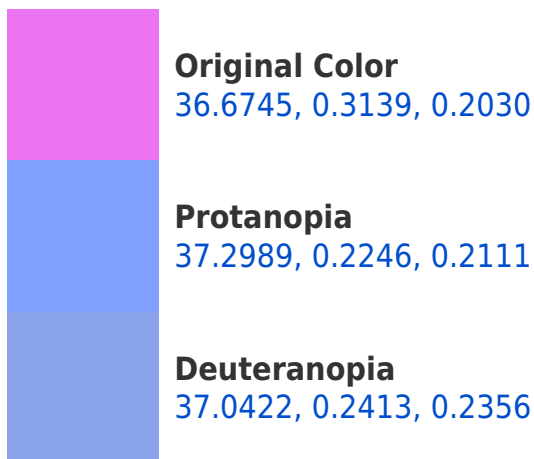


This preview shows how white text looks on a background with the Yxy color 36.6745, 0.3139, 0.2030.

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





Tritanopia

36.4825, 0.3949, 0.3173

Trichromacy



Original Color

36.6745, 0.3139, 0.2030



Protanomaly

35.3684, 0.2494, 0.2037



Deuteranomaly

35.1912, 0.2630, 0.2178



Tritanomaly

36.1040, 0.3642, 0.2708

Monochromacy



Original Color

36.6745, 0.3139, 0.2030



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.1064, 0.3135, 0.2714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6745, 0.3139, 0.2030 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, 116, 241)` looks like.

```
.text, #text, p{  
    color:rgb(236, 116, 241)  
}
```

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, 116, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 116, 241) }
```

Border

The CSS property to change the border of an element to Yxy 36.6745, 0.3139, 0.2030 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, 116, 241) }
```

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

```
.border{ border-color:rgb(236, 116, 241) }
```

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

Here you see how a box with a 4 pixel rgb(236, 116, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 116, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 116, 241);  
box-shadow:4px 4px 4px 4px rgb(236, 116,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6745, 0.3139, 0.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 116, 241) }
```

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

```
.background{ background-color: rgb(236,  
116, 241) }
```

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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