

Converting Colors

$Y_{xy}(35.1033, 0.3120, 0.2007)$

Have a look what the booklet for
Yxy(35.1033, 0.3120, 0.2007)
contains.

Yxy(35.1981, 0.3120, 0.2005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.1981, 0.3120, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	E871EF
RGB	232, 113, 239
RGB Percent	91%, 44%, 94%
CMY	0.0901, 0.5569, 0.0627
CMYK	0.03, 0.53, 0.00, 0.06
HSL	297°, 80%, 69%
HSV	297°, 53%, 94%
XYZ	54.7721, 35.1981, 85.5814
YIQ	162.9450, 30.4780, 64.4140

Conversions

Conversions Part 2

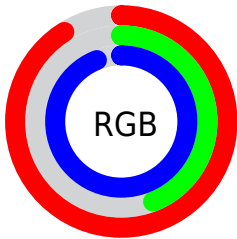
Format	Color
R _Y B	232, 113, 239
Decimal	15233519
CIE _{Lab}	65.90, 63.05, -43.36
CIE _{LCh}	66, 76.523, 325.483
Y _{xy}	35.1981, 0.3120, 0.2005
Android (android.graphics.Color)	4293423599 (0xFFE871EF)
Y _{UV}	162.9450, 37.4951, 60.5612
Hunter-Lab	59.3280, 60.9688, -43.9970

Details

The Yxy color **35.1981, 0.3120, 0.2005** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **66.9260, 0.3084, 0.4963**, and the grayscale version is **36.4069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **15.2044, 0.3094, 0.1723** is the 20% darker color. If you saturate the color by 10%, you get **30.3305, 0.3112, 0.1815**, and if you desaturate by 10%, it is **41.4744, 0.3125, 0.2226**.

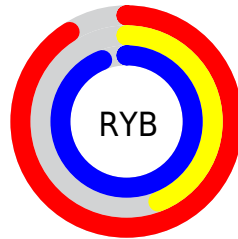
Distribution



Red (91%)

Green (44%)

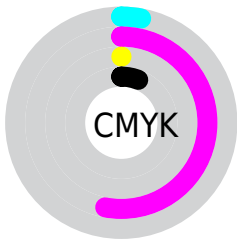
Blue (94%)



Red (91%)

Yellow (44%)

Blue (94%)

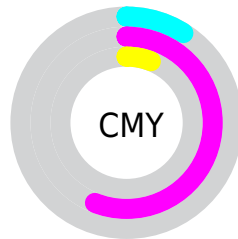


Cyan (3%)

Magenta (53%)

Yellow (0%)

Black (6%)



Cyan (9%)


Magenta (56%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1981, 0.3120, 0.2005 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 35.1981, 0.3120, 0.2005 by changing the saturation by 10% instead.


 35.1981, 0.3120,
0.2005


 35.1981, 0.3120,
0.2005

325.4419, 0.3151,
0.2594


 23.8155, 0.3106,
0.1875


 67.7925, 0.3136,
0.2207

 15.1968, 0.3084,
0.1717


 89.7732, 0.3141,
0.2286

 8.9576, 0.3050,
0.1523


 116.0553, 0.3144,
0.2355

 4.7136, 0.2994,
0.1283

147.0233, 0.3147,
0.2415

 2.0802, 0.2898,
0.0983

183.0616, 0.3148,
0.2468

 0.6535, 0.2726,
0.0600

224.5545, 0.3149,

 0.0000, 0.2427,

0.2515

0.0000

271.8864, 0.3150,
0.2557

0.0000, 0.0389,
0.0000

0.0000, 0.0000,
0.0000

35.1981, 0.3120,
0.2005

35.1981, 0.3120,
0.2005

30.3305, 0.3112,
0.1815

41.4744, 0.3125,
0.2226

26.7542, 0.3103,
0.1663


49.2553, 0.3129,
0.2468


24.3404, 0.3091,
0.1555

58.6337, 0.3130,
0.2720

22.9320, 0.3078,
0.1490

69.6938, 0.3130,
0.2975

 22.3633, 0.3068,
0.1464

 82.5136, 0.3128,
0.3224

 96.2750, 0.3126,
0.3448

 96.5078, 0.3134,
0.3448

 96.7423, 0.3142,
0.3447

 96.9785, 0.3151,
0.3447

Harmonies

Analogous

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



35.1981, 0.2127, 0.1713



35.1981, 0.3120, 0.2005



35.1981, 0.4334, 0.2536

Triad

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



35.1981, 0.3120, 0.2005



35.1981, 0.4749, 0.4749



35.1981, 0.1399, 0.2828

Complementary

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



35.1981, 0.3120, 0.2005



66.9260, 0.3084, 0.4963

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.



35.1981, 0.1897, 0.4144



35.1981, 0.3120, 0.2005



35.1981, 0.3822, 0.5395

Square

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



35.1981, 0.3120, 0.2005



35.1981, 0.5318, 0.3952



35.1981, 0.2788, 0.5294



35.1981, 0.1299, 0.2026

Rectangle

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



35.1981, 0.3120, 0.2005



35.1981, 0.4997, 0.2976



35.1981, 0.2788, 0.5294



35.1981, 0.1516, 0.3222

Sweetspot

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



35.1997, 0.3120, 0.2005



76.2478, 0.3130, 0.2891



23.5108, 0.2130, 0.1710



15.7482, 0.3130, 0.2838



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.



35.1997, 0.3120, 0.2005



34.8970, 0.3112, 0.1806



33.6375, 0.3767, 0.2524



15.9842, 0.3129, 0.3057



12.3759, 0.3071, 0.1465



1.0431, 0.3090, 0.1476

Inverse Universe

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



31.5153, 0.4586, 0.3220



30.3123, 0.5063, 0.3215



68.0648, 0.2787, 0.4243



15.7730, 0.3285, 0.3277



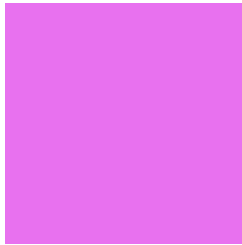
10.1633, 0.6342, 0.3267



0.8505, 0.6192, 0.3185

Previews

White Background



This preview shows how the Yxy color 35.1981, 0.3120, 0.2005 looks on a white background.

Color Contrast Check

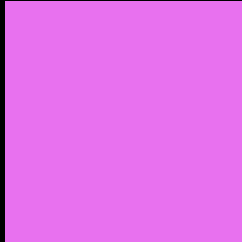
Large Text (above 18pt) WCAG AA × Fail

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 35.1981, 0.3120, 0.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

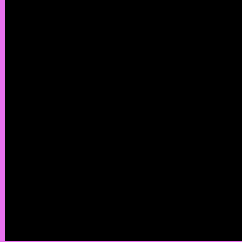
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1981, 0.3120, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 35.1981, 0.3120, 0.2005.

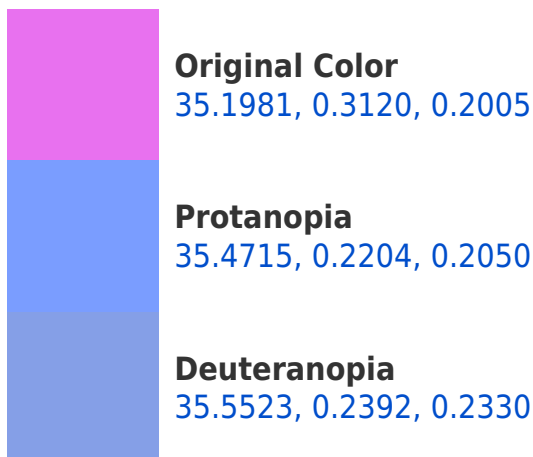


This preview shows how white text looks on a background with the Yxy color 35.1981, 0.3120, 0.2005.

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

34.8993, 0.3954, 0.3171

Trichromacy



Original Color

35.1981, 0.3120, 0.2005



Protanomaly

33.5707, 0.2457, 0.1986



Deuteranomaly

33.7215, 0.2607, 0.2151



Tritanomaly

34.5809, 0.3629, 0.2688

Monochromacy



Original Color

35.1981, 0.3120, 0.2005



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.7038, 0.3125, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1981, 0.3120, 0.2005 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(232, 113, 239)` looks like.

```
.text, #text, p{  
    color:rgb(232, 113, 239)  
}
```

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(232, 113, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 113, 239) }
```

Border

The CSS property to change the border of an element to Yxy 35.1981, 0.3120, 0.2005 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(232, 113, 239) }
```

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

```
.border{ border-color:rgb(232, 113, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 113, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 113, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 113, 239);  
box-shadow:4px 4px 4px 4px rgb(232, 113,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1981, 0.3120, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 113, 239) }
```

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

```
.background{ background-color: rgb(232,  
113, 239) }
```

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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