

Converting Colors

$Y_{xy}(34.1317, 0.3229, 0.2185)$

Have a look what the booklet for
Yxy(34.1317, 0.3229, 0.2185)
contains.

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Color

Yxy(34.1317, 0.3229, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	E176DC
RGB	225, 118, 220
RGB Percent	88%, 46%, 86%
CMY	0.1178, 0.5371, 0.1373
CMYK	0.00, 0.48, 0.02, 0.12
HSL	303°, 64%, 67%
HSV	303°, 48%, 88%
XYZ	50.4399, 34.1317, 71.6375
YIQ	161.6210, 31.0300, 54.4060

Conversions

Conversions Part 2

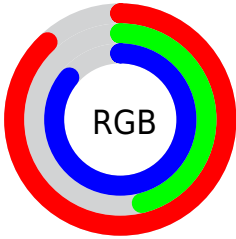
Format	Color
R _Y B	225, 118, 220
Decimal	14776028
CIE _{Lab}	65.07, 55.38, -34.18
CIE _{LCh}	65, 65.079, 328.319
Yxy	34.1317, 0.3229, 0.2185
Android (android.graphics.Color)	4292966108 (0xFFE176DC)
YUV	161.6210, 28.7808, 55.5834
Hunter-Lab	58.4223, 51.8720, -31.8058

Details

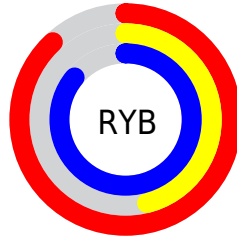
The Yxy color **34.1317, 0.3229, 0.2185** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **59.1167, 0.3032, 0.4721**, and the grayscale version is **35.8001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **14.5989, 0.3220, 0.1914** is the 20% darker color. If you saturate the color by 10%, you get **29.3949, 0.3252, 0.1993**, and if you desaturate by 10%, it is **40.1353, 0.3206, 0.2403**.

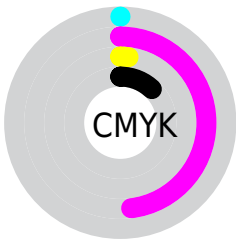
Distribution



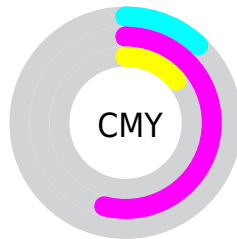
- Red (88%)
- Green (46%)
- Blue (86%)



- Red (88%)
- Yellow (46%)
- Blue (86%)



- Cyan (0%)
- Magenta (48%)
- Yellow (2%)
- Black (12%)





- Cyan (12%)
- Magenta (54%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1317, 0.3229, 0.2185 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 34.1317, 0.3229, 0.2185 by changing the saturation by 10% instead.

 34.1317, 0.3229,
0.2185


 34.1317, 0.3229,
0.2185


320.7189, 0.3197,
0.2707

 22.9948, 0.3231,
0.2065


 66.1384, 0.3222,
0.2367

 14.5897, 0.3231,
0.1917


 87.7770, 0.3218,
0.2438

 8.5319, 0.3226,
0.1731


 113.6850, 0.3214,
0.2499

 4.4372, 0.3210,
0.1493

144.2467, 0.3210,
0.2551

 1.9210, 0.3169,
0.1181

179.8465, 0.3207,
0.2597

 0.5609, 0.3083,
0.0728

220.8689, 0.3203,


 0.0000, 0.2883,


0.2638


0.0000


267.6982, 0.3200,
0.2675


 0.0000, 0.0000,
0.0000


 34.1317, 0.3229,
0.2185

 34.1317, 0.3229,
0.2185

 29.3949, 0.3252,
0.1993


 40.1353, 0.3206,
0.2403


 25.8292, 0.3274,
0.1835


 47.4834, 0.3183,
0.2636


 23.3324, 0.3294,
0.1719


 56.2529, 0.3161,
0.2876


 21.7832, 0.3312,
0.1646


 66.5136, 0.3141,
0.3115

 21.0172, 0.3327,
0.1613


 78.3305, 0.3123,
0.3346

 20.8836, 0.3331,
0.1608

 91.7649, 0.3106,
0.3566

 93.0860, 0.3099,
0.3575

 93.1440, 0.3093,
0.3564

 93.2024, 0.3088,
0.3553

Harmonies

Analogous

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



34.1317, 0.2322, 0.1895



34.1317, 0.3229, 0.2185



34.1317, 0.4264, 0.2688

Triad

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



34.1317, 0.3229, 0.2185



34.1317, 0.4531, 0.4689



34.1317, 0.1570, 0.2827

Complementary

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



34.1317, 0.3229, 0.2185



59.1167, 0.3032, 0.4721

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.



34.1317, 0.2004, 0.3911



34.1317, 0.3229, 0.2185



34.1317, 0.3705, 0.5144

Square

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



34.1317, 0.3229, 0.2185



34.1317, 0.5036, 0.4004



34.1317, 0.2782, 0.4912



34.1317, 0.1497, 0.2145

Rectangle

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



34.1317, 0.3229, 0.2185



34.1317, 0.4801, 0.3099



34.1317, 0.2782, 0.4912



34.1317, 0.1672, 0.3154

Sweetspot

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



34.1332, 0.3229, 0.2185



79.1933, 0.3154, 0.2959



22.5061, 0.2250, 0.1806



16.3417, 0.3159, 0.2906



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.



34.1332, 0.3229, 0.2185



39.1290, 0.3252, 0.1995



31.7908, 0.3805, 0.2713



13.9241, 0.3145, 0.3070



12.0429, 0.3329, 0.1607



0.8382, 0.3309, 0.1596

Inverse Universe

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



34.1332, 0.3229, 0.2185



39.1290, 0.3252, 0.1995



60.7843, 0.2754, 0.3972



13.9241, 0.3145, 0.3070



12.0429, 0.3329, 0.1607



0.8382, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 34.1317, 0.3229, 0.2185 looks on a white background.

Color Contrast Check

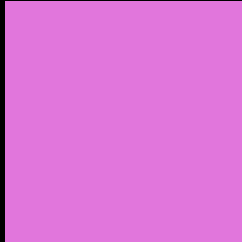
Large Text (above 18pt) WCAG AA × Fail

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 34.1317, 0.3229, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

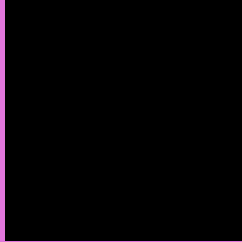
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1317, 0.3229, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 34.1317, 0.3229, 0.2185.



This preview shows how white text looks on a background with the Yxy color 34.1317, 0.3229, 0.2185.

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

34.1317, 0.3229, 0.2185

Protanopia

34.5453, 0.2216, 0.2060

Deuteranopia

34.4207, 0.2564, 0.2505



Tritanopia

33.9712, 0.3927, 0.3169

Trichromacy



Original Color

34.1317, 0.3229, 0.2185



Protanomaly

33.0082, 0.2490, 0.2070



Deuteranomaly

33.1881, 0.2772, 0.2341



Tritanomaly

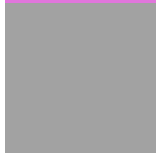
33.7391, 0.3665, 0.2778

Monochromacy



Original Color

34.1317, 0.3229, 0.2185



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.2910, 0.3170, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1317, 0.3229, 0.2185 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(225, 118, 220)` looks like.

```
.text, #text, p{  
    color:rgb(225, 118, 220)  
}
```

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(225, 118, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 118, 220) }
```

Border

The CSS property to change the border of an element to Yxy 34.1317, 0.3229, 0.2185 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(225, 118, 220) }
```

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

```
.border{ border-color:rgb(225, 118, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 118, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 118, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 118, 220);  
box-shadow:4px 4px 4px 4px rgb(225, 118,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1317, 0.3229, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 118, 220) }
```

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

```
.background{ background-color: rgb(225,  
118, 220) }
```

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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