

Converting Colors

$Y_{xy}(34.4461, 0.3185, 0.2047)$

Have a look what the booklet for
Yxy(34.4461, 0.3185, 0.2047)
contains.

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Color

Yxy(34.3509, 0.3186, 0.2044)

Conversions

Conversions Part 1

Format	Color
Hex	E86FE8
RGB	232, 111, 232
RGB Percent	91%, 44%, 91%
CMY	0.0900, 0.5649, 0.0901
CMYK	0.00, 0.52, 0.00, 0.09
HSL	300°, 73%, 67%
HSV	300°, 52%, 91%
XYZ	53.5430, 34.3509, 80.1633
YIQ	160.9730, 33.2750, 63.2830

Conversions

Conversions Part 2

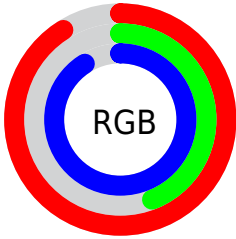
Format	Color
R _Y B	232, 111, 232
Decimal	15233000
CIE Lab	65.24, 62.77, -40.52
CIE LCh	65, 74.716, 327.154
Yxy	34.3509, 0.3186, 0.2044
Android (android.graphics.Color)	4293423080 (0xFFE86FE8)
YUV	160.9730, 35.0163, 62.2907
Hunter-Lab	58.6096, 60.5024, -40.0671

Details

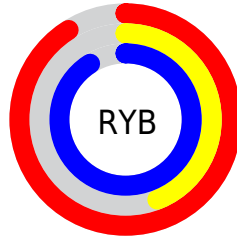
The Yxy color $34.3509, 0.3186, 0.2044$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $62.2685, 0.3049, 0.4958$, and the grayscale version is $35.4474, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1174, 0.3167, 0.2431$, and $14.7716, 0.3172, 0.1760$ is the 20% darker color. If you saturate the color by 10%, you get $29.9310, 0.3195, 0.1863$, and if you desaturate by 10%, it is $40.0888, 0.3176, 0.2257$.

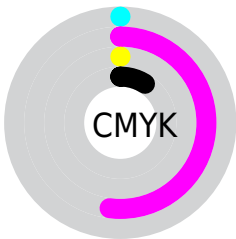
Distribution



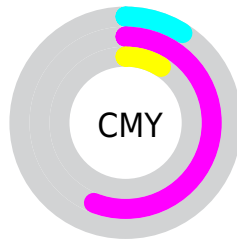
- Red (91%)
- Green (44%)
- Blue (91%)



- Red (91%)
- Yellow (44%)
- Blue (91%)



- Cyan (0%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)





- Cyan (9%)
- Magenta (56%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3509, 0.3186, 0.2044 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 34.3509, 0.3186, 0.2044 by changing the saturation by 10% instead.


 34.3509, 0.3186,
0.2044


 34.3509, 0.3186,
0.2044


321.6939, 0.3182,
0.2621


 23.1633, 0.3180,
0.1915


 66.4790, 0.3190,
0.2242

 14.7141, 0.3169,
0.1758


 88.1882, 0.3190,
0.2320

 8.6190, 0.3149,
0.1564


 114.1735, 0.3189,
0.2387

 4.4935, 0.3112,
0.1321

144.8192, 0.3188,
0.2446

 1.9533, 0.3040,
0.1015

180.5097, 0.3187,
0.2498

 0.5801, 0.2904,
0.0603

221.6294, 0.3185,

 0.0000, 0.2634,

0.2543

0.0000

268.5626, 0.3184,
0.2584

■ 0.0000, 0.0000,
0.0000

■ 34.3509, 0.3186,
0.2044

■ 34.3509, 0.3186,
0.2044

■ 29.9310, 0.3195,
0.1863

■ 40.0888, 0.3176,
0.2257

■ 26.7203, 0.3201,
0.1720

■ 47.2329, 0.3165,
0.2492

■ 24.6006, 0.3206,
0.1621

■ 55.8695, 0.3153,
0.2739

■ 23.4274, 0.3209,
0.1564

■ 66.0764, 0.3141,
0.2990

■ 22.9899, 0.3210,
0.1542

■ 77.9260, 0.3130,
0.3237

■ 91.4864, 0.3118,
0.3474

■ 94.5149, 0.3116,
0.3522

■ 94.5153, 0.3116,
0.3522

■ 94.5158, 0.3116,
0.3522

Harmonies

Analogous

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



34.3509, 0.2185, 0.1740



34.3509, 0.3186, 0.2044



34.3509, 0.4379, 0.2581

Triad

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



34.3509, 0.3186, 0.2044



34.3509, 0.4689, 0.4780



34.3509, 0.1404, 0.2779

Complementary

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



34.3509, 0.3186, 0.2044



62.2685, 0.3049, 0.4958

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.



34.3509, 0.1877, 0.4052



34.3509, 0.3186, 0.2044



34.3509, 0.3764, 0.5385

Square

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



34.3509, 0.3186, 0.2044



34.3509, 0.5274, 0.3995



34.3509, 0.2742, 0.5218



34.3509, 0.1324, 0.2015

Rectangle

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



34.3509, 0.3186, 0.2044



34.3509, 0.5010, 0.3021



34.3509, 0.2742, 0.5218



34.3509, 0.1514, 0.3157

Sweetspot

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



34.3524, 0.3186, 0.2044



76.6736, 0.3146, 0.2893



20.5668, 0.2122, 0.1628



15.8510, 0.3148, 0.2841



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.



34.3524, 0.3186, 0.2044



36.5445, 0.3195, 0.1844



31.4851, 0.3856, 0.2618



15.3137, 0.3138, 0.3058



13.1657, 0.3210, 0.1542



1.0338, 0.3210, 0.1542

Inverse Universe

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



34.3524, 0.3186, 0.2044



36.5445, 0.3195, 0.1844



64.0805, 0.2749, 0.4113



15.3137, 0.3138, 0.3058



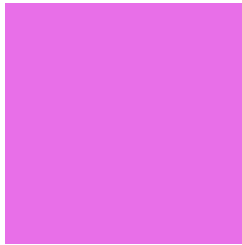
13.1657, 0.3210, 0.1542



1.0338, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 34.3509, 0.3186, 0.2044 looks on a white background.

Color Contrast Check

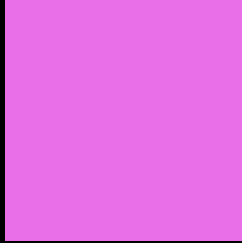
Large Text (above 18pt) WCAG AA × Fail

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 34.3509, 0.3186, 0.2044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

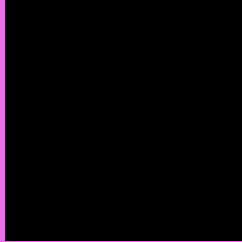
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3509, 0.3186, 0.2044

Background



This preview shows how black text looks on a background with the Yxy color 34.3509, 0.3186, 0.2044.

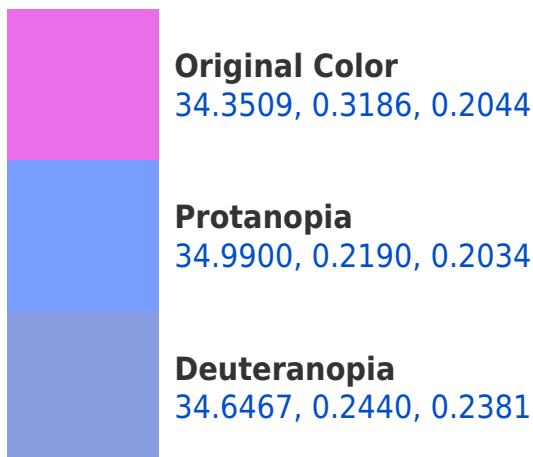


This preview shows how white text looks on a background with the Yxy color 34.3509, 0.3186, 0.2044.

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

34.1304, 0.4012, 0.3172

Trichromacy



Original Color

34.3509, 0.3186, 0.2044



Protanomaly

33.0486, 0.2460, 0.1989



Deuteranomaly

32.8483, 0.2662, 0.2196



Tritanomaly

33.7699, 0.3704, 0.2712

Monochromacy



Original Color

34.3509, 0.3186, 0.2044



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.7976, 0.3154, 0.2714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3509, 0.3186, 0.2044 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, 111, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 111, 232)  
}
```

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, 111, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 111, 232) }
```

Border

The CSS property to change the border of an element to Yxy 34.3509, 0.3186, 0.2044 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, 111, 232) }
```

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

```
.border{ border-color:rgb(232, 111, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 111, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 111, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 111, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 111,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3509, 0.3186, 0.2044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 111, 232) }
```

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

```
.background{ background-color: rgb(232,  
111, 232) }
```

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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