

Converting Colors

$Y_{xy}(34.2160, 0.3561, 0.2540)$

Have a look what the booklet for
Yxy(34.2160, 0.3561, 0.2540)
contains.

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Color

Yxy(34.2145, 0.3558, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	E37BBE
RGB	227, 123, 190
RGB Percent	89%, 48%, 75%
CMY	0.1098, 0.5177, 0.2548
CMYK	0.00, 0.46, 0.16, 0.11
HSL	321°, 65%, 69%
HSV	321°, 46%, 89%
XYZ	48.0597, 34.2145, 52.8008
YIQ	161.7340, 40.4770, 42.8850

Conversions

Conversions Part 2

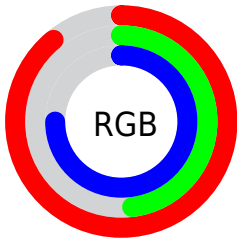
Format	Color
R _Y B	227, 123, 190
Decimal	14908350
CIE Lab	65.13, 48.63, -17.25
CIE LCh	65, 51.596, 340.473
Yxy	34.2145, 0.3558, 0.2533
Android (android.graphics.Color)	4293098430 (0xFFE37BBE)
YUV	161.7340, 13.9351, 57.2383
Hunter-Lab	58.4932, 44.2978, -12.5749

Details

The Yxy color **34.2145, 0.3558, 0.2533** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **61.6905, 0.2863, 0.4208**, and the grayscale version is **35.9208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7546, 0.3231, 0.2616**, and **14.6215, 0.3664, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **28.8789, 0.3694, 0.2386**, and if you desaturate by 10%, it is **40.8785, 0.3437, 0.2696**.

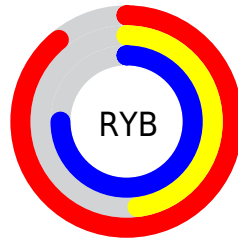
Distribution



Red (89%)

Green (48%)

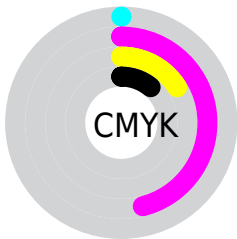
Blue (75%)



Red (89%)

Yellow (48%)

Blue (75%)

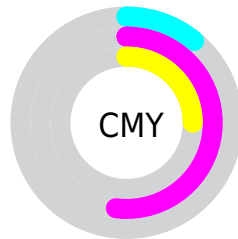


Cyan (0%)

Magenta (46%)

Yellow (16%)

Black (11%)



Cyan (11%)


Magenta (52%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2145, 0.3558, 0.2533 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 34.2145, 0.3558, 0.2533 by changing the saturation by 10% instead.


 34.2145, 0.3558,
0.2533

 34.2145, 0.3558,
0.2533


321.0874, 0.3344,
0.2905


 23.0584, 0.3611,
0.2443


 66.2671, 0.3481,
0.2666

 14.6367, 0.3678,
0.2328


 87.9324, 0.3452,
0.2717

 8.5648, 0.3766,
0.2179


 113.8696, 0.3427,
0.2760

 4.4584, 0.3888,
0.1977

144.4631, 0.3406,
0.2797

 1.9332, 0.4063,
0.1691

180.0972, 0.3387,
0.2829

 0.5682, 0.4368,
0.1197

221.1563, 0.3371,


 0.0000, 0.5216,


0.2858


0.0000

268.0250, 0.3357,
0.2883

 0.0000, 0.0000,
0.0000

 34.2145, 0.3558,
0.2533

 34.2145, 0.3558,
0.2533

 28.8789, 0.3694,
0.2386

 40.8785, 0.3437,
0.2696


 24.7750, 0.3842,
0.2266

 48.9492, 0.3332,
0.2866


 21.8008, 0.3999,
0.2184


 58.5043, 0.3242,
0.3035


 19.8354, 0.4159,
0.2151

 69.6147, 0.3166,
0.3198

 18.7296, 0.4315,
0.2169

 82.3465, 0.3102,
0.3354

 18.4167, 0.4380,
0.2186

 94.0520, 0.3049,
0.3458

 94.5384, 0.3004,
0.3375

 95.0463, 0.2960,
0.3294

 95.0722, 0.2958,
0.3290

Harmonies

Analogous

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



34.2145, 0.2756, 0.2204



34.2145, 0.3558, 0.2533



34.2145, 0.4310, 0.3020

Triad

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



34.2145, 0.3558, 0.2533



34.2145, 0.4060, 0.4634



34.2145, 0.1779, 0.2675

Complementary

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



34.2145, 0.3558, 0.2533



61.6905, 0.2863, 0.4208

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.



34.2145, 0.2036, 0.3428



34.2145, 0.3558, 0.2533



34.2145, 0.3333, 0.4744

Square

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



34.2145, 0.3558, 0.2533



34.2145, 0.4575, 0.4166



34.2145, 0.2592, 0.4273



34.2145, 0.1822, 0.2231

Rectangle

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



34.2145, 0.3558, 0.2533



34.2145, 0.4620, 0.3394



34.2145, 0.2592, 0.4273



34.2145, 0.1830, 0.2896

Sweetspot

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



34.2161, 0.3558, 0.2533



78.5090, 0.3228, 0.3064



27.1235, 0.2551, 0.1958



16.1736, 0.3246, 0.3027



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.



34.2161, 0.3558, 0.2533



37.8787, 0.3687, 0.2392



32.3496, 0.4174, 0.3111



14.5236, 0.3192, 0.3140



10.7628, 0.4357, 0.2174



0.8129, 0.4146, 0.2058

Inverse Universe

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



34.2161, 0.3558, 0.2533



37.8787, 0.3687, 0.2392



63.8768, 0.2592, 0.3490



14.5236, 0.3192, 0.3140



10.7628, 0.4357, 0.2174



0.8129, 0.4146, 0.2058

Previews

White Background



This preview shows how the Yxy color 34.2145, 0.3558, 0.2533 looks on a white background.

Color Contrast Check

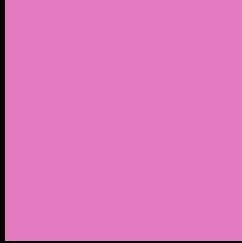
Large Text (above 18pt) WCAG AA × Fail

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 34.2145, 0.3558, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

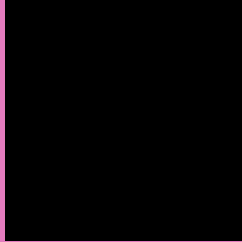
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2145, 0.3558, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 34.2145, 0.3558, 0.2533.



This preview shows how white text looks on a background with the Yxy color 34.2145, 0.3558, 0.2533.

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

34.2145, 0.3558, 0.2533

Protanopia

34.7198, 0.2552, 0.2506

Deuteranopia

34.5225, 0.2921, 0.2867



Tritanopia

34.2878, 0.4022, 0.3173

Trichromacy



Original Color

34.2145, 0.3558, 0.2533



Protanomaly

33.5428, 0.2861, 0.2501



Deuteranomaly

33.5471, 0.3134, 0.2710



Tritanomaly

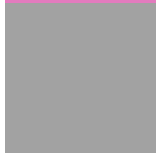
34.0859, 0.3857, 0.2926

Monochromacy



Original Color

34.2145, 0.3558, 0.2533



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.5975, 0.3284, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2145, 0.3558, 0.2533 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(227, 123, 190)` looks like.

```
.text, #text, p{  
    color:rgb(227, 123, 190)  
}
```

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(227, 123, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 123, 190) }
```

Border

The CSS property to change the border of an element to Yxy 34.2145, 0.3558, 0.2533 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(227, 123, 190) }
```

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

```
.border{ border-color:rgb(227, 123, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 123, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 123, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 123, 190);  
box-shadow:4px 4px 4px 4px rgb(227, 123,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2145, 0.3558, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 123, 190) }
```

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

```
.background{ background-color: rgb(227,  
123, 190) }
```

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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