

Converting Colors

$Y_{xy}(30.8676, 0.3452, 0.2207)$

Have a look what the booklet for
Yxy(30.8676, 0.3452, 0.2207)
contains.

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Color

Yxy(30.7181, 0.3450, 0.2205)

Conversions

Conversions Part 1

Format	Color
Hex	E567CC
RGB	229, 103, 204
RGB Percent	90%, 40%, 80%
CMY	0.1020, 0.5960, 0.1999
CMYK	0.00, 0.55, 0.11, 0.10
HSL	312°, 71%, 65%
HSV	312°, 55%, 90%
XYZ	48.0623, 30.7181, 60.5307
YIQ	152.1880, 42.6750, 58.1230

Conversions

Conversions Part 2

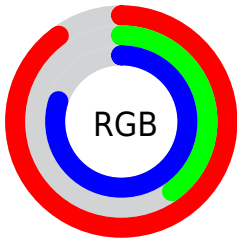
Format	Color
R _Y B	229, 103, 204
Decimal	15034316
CIE _{Lab}	62.27, 60.98, -29.50
CIE _{LCh}	62, 67.741, 334.180
Y _{xy}	30.7181, 0.3450, 0.2205
Android (android.graphics.Color)	4293224396 (0xFFE567CC)
YUV	152.1880, 25.5433, 67.3641
Hunter-Lab	55.4239, 57.7992, -25.9562

Details

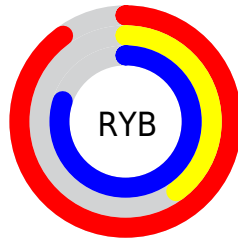
The Yxy color **30.7181, 0.3450, 0.2205** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.4784, 0.2928, 0.4721**, and the grayscale version is **31.3601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **12.7367, 0.3518, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **26.5559, 0.3527, 0.2056**, and if you desaturate by 10%, it is **36.1366, 0.3377, 0.2383**.

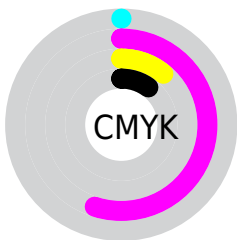
Distribution



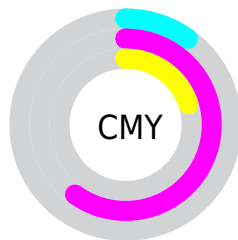
- Red (90%)
- Green (40%)
- Blue (80%)



- Red (90%)
- Yellow (40%)
- Blue (80%)



- Cyan (0%)
- Magenta (55%)
- Yellow (11%)
- Black (10%)





- Cyan (10%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7181, 0.3450, 0.2205 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 30.7181, 0.3450, 0.2205 by changing the saturation by 10% instead.

 30.7181, 0.3450,
0.2205


 30.7181, 0.3450,
0.2205

305.2375, 0.3302,
0.2727


 20.3843, 0.3482,
0.2082

 60.7960, 0.3400,
0.2389

 12.6747, 0.3521,
0.1930


 81.3088, 0.3380,
0.2460

 7.2049, 0.3567,
0.1736


 105.9835, 0.3363,
0.2521

 3.5906, 0.3622,
0.1483

 135.2043, 0.3347,
0.2573

 1.4473, 0.3684,
0.1147

169.3557, 0.3334,
0.2619

 0.2512, 0.3830,
0.0464

208.8221, 0.3322,

 0.0000, 0.3718,

0.2659

0.0000

253.9879, 0.3312,
0.2695

0.0000, 0.0000,
0.0000

30.7181, 0.3450,
0.2205

30.7181, 0.3450,
0.2205

26.5559, 0.3527,
0.2056

36.1366, 0.3377,
0.2383

23.5412, 0.3606,
0.1946

42.9000, 0.3309,
0.2579

21.5539, 0.3683,
0.1880

51.0935, 0.3249,
0.2784


20.4449, 0.3757,
0.1861


60.7945, 0.3195,
0.2991


20.1007, 0.3794,
0.1864

72.0744, 0.3148,
0.3192

 85.0002, 0.3108,
0.3385

 94.2217, 0.3076,
0.3484

 94.4888, 0.3051,
0.3438

 94.7625, 0.3025,
0.3391

Harmonies

Analogous

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



30.7181, 0.2427, 0.1853



30.7181, 0.3450, 0.2205



30.7181, 0.4544, 0.2765

Triad

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



30.7181, 0.3450, 0.2205



30.7181, 0.4447, 0.4890



30.7181, 0.1433, 0.2601

Complementary

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



30.7181, 0.3450, 0.2205



60.4784, 0.2928, 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.



30.7181, 0.1801, 0.3705



30.7181, 0.3450, 0.2205



30.7181, 0.3528, 0.5315

Square

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



30.7181, 0.3450, 0.2205



30.7181, 0.5089, 0.4164



30.7181, 0.2559, 0.4897



30.7181, 0.1429, 0.1978

Rectangle

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



30.7181, 0.3450, 0.2205



30.7181, 0.5046, 0.3205



30.7181, 0.2559, 0.4897



30.7181, 0.1512, 0.2919

Sweetspot

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



30.7196, 0.3450, 0.2205



74.8508, 0.3206, 0.2948



19.8025, 0.2229, 0.1598



15.4694, 0.3216, 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.



30.7196, 0.3450, 0.2205



33.2819, 0.3538, 0.2039



28.3395, 0.4226, 0.2844



14.5637, 0.3168, 0.3104



11.5106, 0.3783, 0.1858



0.8631, 0.3683, 0.1803

Inverse Universe

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



30.7196, 0.3450, 0.2205



33.2819, 0.3538, 0.2039



62.5986, 0.2619, 0.3830



14.5637, 0.3168, 0.3104



11.5106, 0.3783, 0.1858



0.8631, 0.3683, 0.1803

Previews

White Background



This preview shows how the Yxy color 30.7181, 0.3450, 0.2205 looks on a white background.

Color Contrast Check

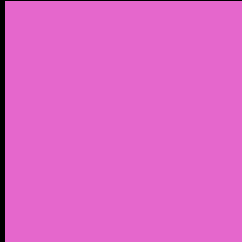
Large Text (above 18pt) WCAG AA × Fail

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 30.7181, 0.3450, 0.2205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

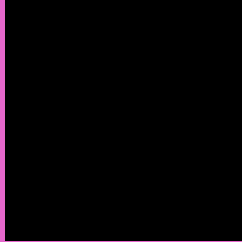
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7181, 0.3450, 0.2205

Background



This preview shows how black text looks on a background with the Yxy color 30.7181, 0.3450, 0.2205.



This preview shows how white text looks on a background with the Yxy color 30.7181, 0.3450, 0.2205.

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

30.7181, 0.3450, 0.2205

Protanopia

31.1841, 0.2214, 0.2060

Deuteranopia

30.8281, 0.2653, 0.2593



Tritanopia

30.6586, 0.4228, 0.3186

Trichromacy



Original Color

30.7181, 0.3450, 0.2205



Protanomaly

29.2167, 0.2543, 0.2063



Deuteranomaly

29.5103, 0.2907, 0.2396



Tritanomaly

30.3162, 0.3943, 0.2790

Monochromacy



Original Color

30.7181, 0.3450, 0.2205



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.6938, 0.3248, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7181, 0.3450, 0.2205 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(229, 103, 204)` looks like.

```
.text, #text, p{  
    color:rgb(229, 103, 204)  
}
```

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(229, 103, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 103, 204) }
```

Border

The CSS property to change the border of an element to Yxy 30.7181, 0.3450, 0.2205 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(229, 103, 204) }
```

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

```
.border{ border-color:rgb(229, 103, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 103, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 103, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 103, 204);  
box-shadow:4px 4px 4px 4px rgb(229, 103,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7181, 0.3450, 0.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 103, 204) }
```

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

```
.background{ background-color: rgb(229,  
103, 204) }
```

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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