

Converting Colors

$Y_{xy}(30.2640, 0.3533, 0.2791)$

Have a look what the booklet for
Yxy(30.2640, 0.3533, 0.2791)
contains.

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Color

Yxy(30.2113, 0.3533, 0.2787)

Conversions

Conversions Part 1

Format	Color
Hex	C87FA6
RGB	200, 127, 166
RGB Percent	78%, 50%, 65%
CMY	0.2156, 0.5020, 0.3490
CMYK	0.00, 0.37, 0.17, 0.22
HSL	328°, 40%, 64%
HSV	328°, 37%, 78%
XYZ	38.2980, 30.2113, 39.8915
YIQ	153.2730, 30.9890, 27.6050

Conversions

Conversions Part 2

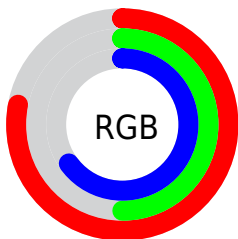
Format	Color
R _Y B	200, 127, 166
Decimal	13139878
CIE Lab	61.84, 33.80, -8.91
CIE LCh	62, 34.957, 345.233
Yxy	30.2113, 0.3533, 0.2787
Android (android.graphics.Color)	4291329958 (0xFFC87FA6)
YUV	153.2730, 6.2744, 40.9796
Hunter-Lab	54.9648, 28.1856, -4.5552

Details

The Yxy color **30.2113, 0.3533, 0.2787** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **48.4075, 0.2858, 0.3859**, and the grayscale version is **31.9431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5282, 0.3429, 0.2883**, and **12.4035, 0.3672, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **25.2196, 0.3694, 0.2651**, and if you desaturate by 10%, it is **36.2562, 0.3395, 0.2929**.

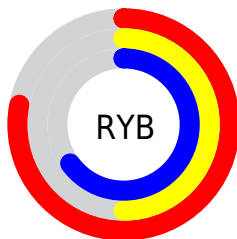
Distribution



Red (78%)

Green (50%)

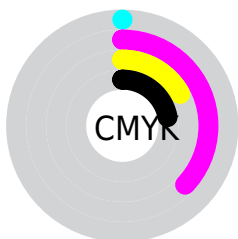
Blue (65%)



Red (78%)

Yellow (50%)

Blue (65%)

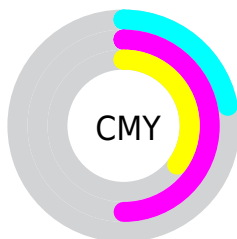


Cyan (0%)

Magenta (37%)

Yellow (17%)

Black (22%)



Cyan (22%)


Magenta (50%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2113, 0.3533, 0.2787 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 30.2113, 0.3533, 0.2787 by changing the saturation by 10% instead.


 30.2113, 0.3533,
0.2787

 30.2113, 0.3533,
0.2787


302.8881, 0.3321,
0.3046


 19.9990, 0.3589,
0.2720


 59.9962, 0.3453,
0.2883

 12.3943, 0.3663,
0.2632


 80.3376, 0.3424,
0.2919

 7.0128, 0.3766,
0.2513


 104.8241, 0.3400,
0.2948

 3.4701, 0.3916,
0.2341

133.8402, 0.3379,
0.2974

 1.3818, 0.4156,
0.2076

167.7703, 0.3362,
0.2996

 0.2033, 0.4960,
0.0978

206.9987, 0.3346,

 0.0000, 0.0000,

0.3015

0.0000

251.9098, 0.3333,
0.3032

■ 30.2113, 0.3533,
0.2787

■ 30.2113, 0.3533,
0.2787

■ 25.2196, 0.3694,
0.2651

■ 36.2562, 0.3395,
0.2929

■ 21.2153, 0.3878,
0.2529

■ 43.4067, 0.3279,
0.3070

■ 18.1319, 0.4083,
0.2433

■ 51.7164, 0.3182,
0.3205

■ 15.8926, 0.4303,
0.2375


■ 61.2346, 0.3101,
0.3334

■ 14.4081, 0.4528,
0.2366

■ 72.0073, 0.3034,
0.3453

 13.5628, 0.4749,
0.2410

 84.0785, 0.2978,
0.3564

 13.3420, 0.4825,
0.2432

 89.5862, 0.2929,
0.3544

 90.1275, 0.2880,
0.3442

 90.6974, 0.2832,
0.3343

Harmonies

Analogous

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



30.2113, 0.2957, 0.2511



30.2113, 0.3533, 0.2787



30.2113, 0.4026, 0.3178

Triad

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



30.2113, 0.3533, 0.2787



30.2113, 0.3751, 0.4289



30.2113, 0.2120, 0.2803

Complementary

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



30.2113, 0.3533, 0.2787



48.4075, 0.2858, 0.3859

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.



30.2113, 0.2290, 0.3312



30.2113, 0.3533, 0.2787



30.2113, 0.3215, 0.4260

Square

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



30.2113, 0.3533, 0.2787



30.2113, 0.4139, 0.4026



30.2113, 0.2682, 0.3880



30.2113, 0.2185, 0.2492

Rectangle

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



30.2113, 0.3533, 0.2787



30.2113, 0.4213, 0.3469



30.2113, 0.2682, 0.3880



30.2113, 0.2150, 0.2954

Sweetspot

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



30.2127, 0.3533, 0.2787



82.5776, 0.3224, 0.3143



26.8062, 0.2767, 0.2283



17.2537, 0.3238, 0.3125



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.



30.2127, 0.3533, 0.2787



45.1441, 0.3662, 0.2676



29.0883, 0.3958, 0.3244



10.7301, 0.3208, 0.3167



8.4987, 0.4796, 0.2416



0.4169, 0.4378, 0.2185

Inverse Universe

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



30.2127, 0.3533, 0.2787



45.1441, 0.3662, 0.2676



49.8366, 0.2641, 0.3339



10.7301, 0.3208, 0.3167



8.4987, 0.4796, 0.2416



0.4169, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 30.2113, 0.3533, 0.2787 looks on a white background.

Color Contrast Check

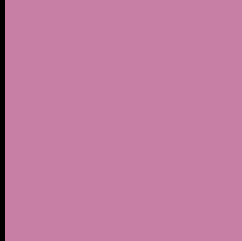
Large Text (above 18pt) WCAG AA × Fail

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 30.2113, 0.3533, 0.2787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

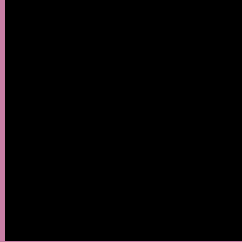
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2113, 0.3533, 0.2787

Background



This preview shows how black text looks on a background with the Yxy color 30.2113, 0.3533, 0.2787.



This preview shows how white text looks on a background with the Yxy color 30.2113, 0.3533, 0.2787.

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

30.2113, 0.3533, 0.2787

Protanopia

30.3147, 0.2794, 0.2809

Deuteranopia

30.4712, 0.3088, 0.3036



Tritanopia

30.0260, 0.3781, 0.3158

Trichromacy



Original Color

30.2113, 0.3533, 0.2787

Protanomaly

29.7438, 0.3037, 0.2786

Deuteranomaly

30.0298, 0.3240, 0.2934

Tritanomaly

30.1730, 0.3689, 0.3027

Monochromacy



Original Color

30.2113, 0.3533, 0.2787

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.9612, 0.3263, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2113, 0.3533, 0.2787 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(200, 127, 166)` looks like.

```
.text, #text, p{  
    color:rgb(200, 127, 166)  
}
```

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(200, 127, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 127, 166) }
```

Border

The CSS property to change the border of an element to Yxy 30.2113, 0.3533, 0.2787 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(200, 127, 166) }
```

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

```
.border{ border-color:rgb(200, 127, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 127, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 127, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 127, 166);  
box-shadow:4px 4px 4px 4px rgb(200, 127,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2113, 0.3533, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 127, 166) }
```

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

```
.background{ background-color: rgb(200,  
127, 166) }
```

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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