

Converting Colors

$Y_{xy}(29.2481, 0.3198, 0.2316)$

Have a look what the booklet for
Yxy(29.2481, 0.3198, 0.2316)
contains.

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Color

Yxy(29.3134, 0.3194, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	C876C6
RGB	200, 118, 198
RGB Percent	78%, 46%, 78%
CMY	0.2159, 0.5371, 0.2236
CMYK	0.00, 0.41, 0.01, 0.22
HSL	301°, 43%, 62%
HSV	301°, 41%, 78%
XYZ	40.4786, 29.3134, 56.9412
YIQ	151.6380, 23.1920, 42.2640

Conversions

Conversions Part 2

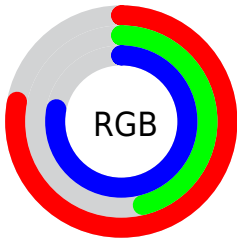
Format	Color
RYB	200, 118, 198
Decimal	13137606
CIELab	61.06, 44.04, -28.28
CIELCh	61, 52.336, 327.297
Yxy	29.3134, 0.3194, 0.2313
Android (android.graphics.Color)	4291327686 (0xFFC876C6)
YUV	151.6380, 22.8565, 42.4135
Hunter-Lab	54.1419, 38.7055, -24.4563

Details

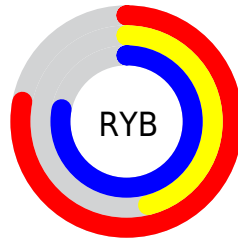
The Yxy color **29.3134, 0.3194, 0.2313** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **46.4942, 0.3057, 0.4510**, and the grayscale version is **31.1298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **11.8393, 0.3186, 0.2041** is the 20% darker color. If you saturate the color by 10%, you get **25.0702, 0.3211, 0.2101**, and if you desaturate by 10%, it is **34.5574, 0.3177, 0.2545**.

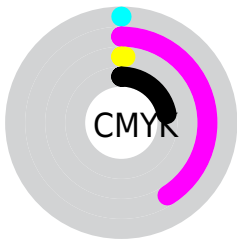
Distribution



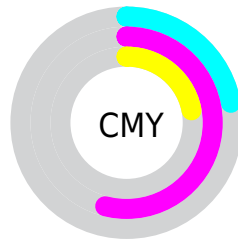
- Red (78%)
- Green (46%)
- Blue (78%)



- Red (78%)
- Yellow (46%)
- Blue (78%)



- Cyan (0%)
- Magenta (41%)
- Yellow (1%)
- Black (22%)





- Cyan (22%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3134, 0.3194, 0.2313 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 29.3134, 0.3194, 0.2313 by changing the saturation by 10% instead.


 29.3134, 0.3194,
0.2313


 29.3134, 0.3194,
0.2313


298.6908, 0.3174,
0.2795

 19.3180, 0.3194,
0.2196


 58.5746, 0.3190,
0.2486

 11.9003, 0.3192,
0.2049


 78.6093, 0.3188,
0.2552

 6.6758, 0.3183,
0.1857


 102.7592, 0.3185,
0.2607

 3.2602, 0.3161,
0.1602

131.4087, 0.3183,
0.2655

 1.2690, 0.3108,
0.1251

164.9422, 0.3181,
0.2697

 0.1170, 0.3116,
0.0295

203.7442, 0.3178,

 0.0000, 0.1298,

0.2734

0.0000

248.1989, 0.3176,
0.2766

0.0000, 0.0000,
0.0000

29.3134, 0.3194,
0.2313

29.3134, 0.3194,
0.2313

25.0702, 0.3211,
0.2101

34.5574, 0.3177,
0.2545

21.7604, 0.3226,
0.1917

40.8564, 0.3160,
0.2786

19.3143, 0.3241,
0.1771


48.2653, 0.3144,
0.3029


17.6508, 0.3253,
0.1666


56.8339, 0.3129,
0.3268

16.6737, 0.3263,
0.1603

66.6093, 0.3114,
0.3495

 16.2193, 0.3270,
0.1575

 77.6358, 0.3102,
0.3710

 88.0249, 0.3091,
0.3879

 88.0476, 0.3088,
0.3873

 88.0703, 0.3086,
0.3868

Harmonies

Analogous

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



29.3134, 0.2415, 0.2061



29.3134, 0.3194, 0.2313



29.3134, 0.4066, 0.2759

Triad

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



29.3134, 0.3194, 0.2313



29.3134, 0.4388, 0.4515



29.3134, 0.1780, 0.2944

Complementary

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



29.3134, 0.3194, 0.2313



46.4942, 0.3057, 0.4510

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.



29.3134, 0.2189, 0.3849



29.3134, 0.3194, 0.2313



29.3134, 0.3688, 0.4859

Square

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



29.3134, 0.3194, 0.2313



29.3134, 0.4782, 0.3937



29.3134, 0.2883, 0.4648



29.3134, 0.1693, 0.2327

Rectangle

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



29.3134, 0.3194, 0.2313



29.3134, 0.4527, 0.3128



29.3134, 0.2883, 0.4648



29.3134, 0.1880, 0.3225

Sweetspot

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



29.3147, 0.3194, 0.2313



81.9595, 0.3146, 0.3000



21.0844, 0.2384, 0.2046



17.1612, 0.3148, 0.2968



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.



29.3147, 0.3194, 0.2313



44.2673, 0.3209, 0.2126



27.6940, 0.3653, 0.2777



10.8121, 0.3141, 0.3068



10.3210, 0.3269, 0.1575



0.4901, 0.3256, 0.1567

Inverse Universe

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



29.3147, 0.3194, 0.2313



44.2673, 0.3209, 0.2126



47.6888, 0.2805, 0.3877



10.8121, 0.3141, 0.3068



10.3210, 0.3269, 0.1575



0.4901, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 29.3134, 0.3194, 0.2313 looks on a white background.

Color Contrast Check

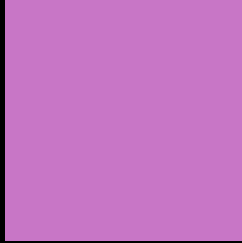
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3134, 0.3194, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

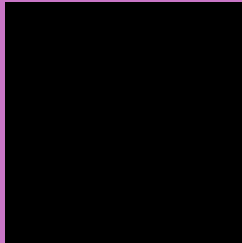
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3134, 0.3194, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 29.3134, 0.3194, 0.2313.



This preview shows how white text looks on a background with the Yxy color 29.3134, 0.3194, 0.2313.

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

29.3134, 0.3194, 0.2313

Protanopia

29.5762, 0.2359, 0.2245

Deuteranopia

29.5043, 0.2645, 0.2582



Tritanopia

29.1962, 0.3751, 0.3156

Trichromacy



Original Color

29.3134, 0.3194, 0.2313



Protanomaly

28.6104, 0.2609, 0.2249



Deuteranomaly

28.8451, 0.2826, 0.2455



Tritanomaly

29.2307, 0.3548, 0.2829

Monochromacy



Original Color

29.3134, 0.3194, 0.2313



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

30.0558, 0.3147, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3134, 0.3194, 0.2313 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, 118, 198)` looks like.

```
.text, #text, p{  
    color:rgb(200, 118, 198)  
}
```

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, 118, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 118, 198) }
```

Border

The CSS property to change the border of an element to Yxy 29.3134, 0.3194, 0.2313 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, 118, 198) }
```

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

```
.border{ border-color:rgb(200, 118, 198) }
```

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

Here you see how a box with a 4 pixel rgb(200, 118, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 118, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 118, 198);  
box-shadow:4px 4px 4px 4px rgb(200, 118,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3134, 0.3194, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 118, 198) }
```

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

```
.background{ background-color: rgb(200,  
118, 198) }
```

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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