

Converting Colors

$Y_{xy}(30.8028, 0.3607, 0.2835)$

Have a look what the booklet for
Yxy(30.8028, 0.3607, 0.2835)
contains.

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Color

Yxy(30.9201, 0.3609, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	CC80A3
RGB	204, 128, 163
RGB Percent	80%, 50%, 64%
CMY	0.1999, 0.4981, 0.3607
CMYK	0.00, 0.37, 0.20, 0.20
HSL	332°, 43%, 65%
HSV	332°, 37%, 80%
XYZ	39.2372, 30.9201, 38.5631
YIQ	154.7140, 34.0610, 26.9970

Conversions

Conversions Part 2

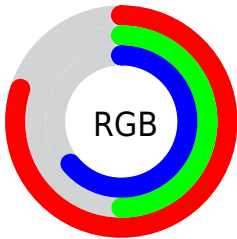
Format	Color
RYB	204, 128, 163
Decimal	13402275
CIELab	62.44, 34.19, -6.26
CIELCh	62, 34.762, 349.622
Yxy	30.9201, 0.3609, 0.2844
Android (android.graphics.Color)	4291592355 (0xFFCC80A3)
YUV	154.7140, 4.0850, 43.2238
Hunter-Lab	55.6058, 28.6449, -2.1941

Details

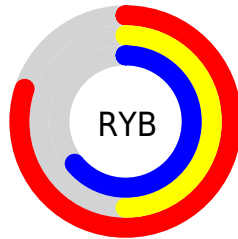
The Yxy color **30.9201, 0.3609, 0.2844** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.6464, 0.2818, 0.3790**, and the grayscale version is **32.6169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7779, 0.3453, 0.2922**, and **12.7514, 0.3769, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **25.7467, 0.3801, 0.2726**, and if you desaturate by 10%, it is **37.2006, 0.3446, 0.2967**.

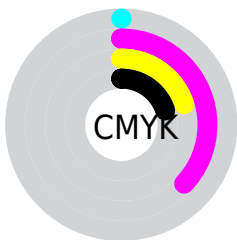
Distribution



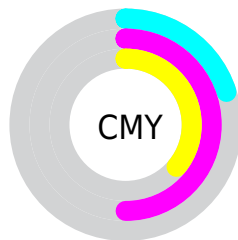
- Red (80%)
- Green (50%)
- Blue (64%)



- Red (80%)
- Yellow (50%)
- Blue (64%)



- Cyan (0%)
- Magenta (37%)
- Yellow (20%)
- Black (20%)





- Cyan (20%)
- Magenta (50%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9201, 0.3609, 0.2844 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 30.9201, 0.3609, 0.2844 by changing the saturation by 10% instead.

 30.9201, 0.3609,
0.2844


 30.9201, 0.3609,
0.2844


306.1701, 0.3355,
0.3075

 20.5380, 0.3677,
0.2784


 61.1143, 0.3514,
0.2930

 12.7867, 0.3766,
0.2705

 81.6951, 0.3479,
0.2962

 7.2819, 0.3890,
0.2597


 106.4444, 0.3450,
0.2988

 3.6390, 0.4074,
0.2441

135.7464, 0.3425,
0.3011

 1.4737, 0.4370,
0.2198

169.9855, 0.3404,
0.3030

 0.2701, 0.5271,
0.1275

209.5463, 0.3386,

 0.0000, 1.0000,

0.3047

0.0000

254.8130, 0.3370,
0.3062

0.0000, 0.0000,
0.0000

30.9201, 0.3609,
0.2844

30.9201, 0.3609,
0.2844

25.7467, 0.3801,
0.2726

37.2006, 0.3446,
0.2967

21.6108, 0.4023,
0.2623

44.6438, 0.3310,
0.3090

18.4414, 0.4271,
0.2546

53.3069, 0.3197,
0.3208


16.1567, 0.4537,
0.2508


63.2418, 0.3103,
0.3320

14.6612, 0.4809,
0.2519

74.4975, 0.3027,
0.3423

 13.8246, 0.5070,
0.2584

 87.1203, 0.2963,
0.3519

 13.6483, 0.5140,
0.2605

 90.6526, 0.2905,
0.3447

 91.3265, 0.2848,
0.3331

 91.5798, 0.2827,
0.3289

Harmonies

Analogous

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



30.9201, 0.3040, 0.2551



30.9201, 0.3609, 0.2844



30.9201, 0.4066, 0.3242

Triad

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



30.9201, 0.3609, 0.2844



30.9201, 0.3672, 0.4293



30.9201, 0.2126, 0.2751

Complementary

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



30.9201, 0.3609, 0.2844



50.6464, 0.2818, 0.3790

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.



30.9201, 0.2262, 0.3230



30.9201, 0.3609, 0.2844



30.9201, 0.3134, 0.4211

Square

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



30.9201, 0.3609, 0.2844



30.9201, 0.4085, 0.4068



30.9201, 0.2620, 0.3795



30.9201, 0.2224, 0.2475

Rectangle

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



30.9201, 0.3609, 0.2844



30.9201, 0.4220, 0.3532



30.9201, 0.2620, 0.3795



30.9201, 0.2145, 0.2891

Sweetspot

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



30.9216, 0.3609, 0.2844



82.4548, 0.3238, 0.3163



28.1810, 0.2818, 0.2276



17.2245, 0.3253, 0.3147



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.



30.9216, 0.3609, 0.2844



43.9454, 0.3767, 0.2745



30.5039, 0.4018, 0.3326



11.2982, 0.3219, 0.3184



8.6072, 0.5107, 0.2587



0.4593, 0.4641, 0.2330

Inverse Universe

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



30.9216, 0.3609, 0.2844



43.9454, 0.3767, 0.2745



50.9479, 0.2606, 0.3254



11.2982, 0.3219, 0.3184



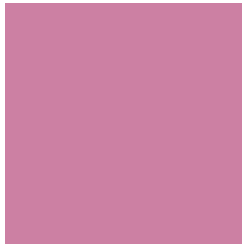
8.6072, 0.5107, 0.2587



0.4593, 0.4641, 0.2330

Previews

White Background



This preview shows how the Yxy color 30.9201, 0.3609, 0.2844 looks on a white background.

Color Contrast Check

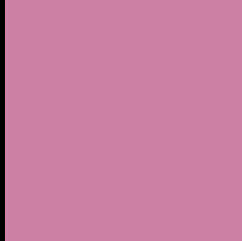
Large Text (above 18pt) WCAG AA × Fail

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 30.9201, 0.3609, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

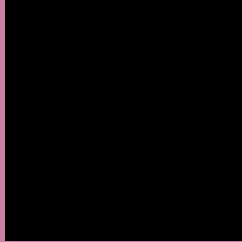
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9201, 0.3609, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 30.9201, 0.3609, 0.2844.



This preview shows how white text looks on a background with the Yxy color 30.9201, 0.3609, 0.2844.

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

30.9201, 0.3609, 0.2844

Protanopia

31.0980, 0.2848, 0.2885

Deuteranopia

31.0869, 0.3157, 0.3098



Tritanopia

31.0121, 0.3822, 0.3161

Trichromacy



Original Color

30.9201, 0.3609, 0.2844

Protanomaly

30.5400, 0.3096, 0.2860

Deuteranomaly

30.6765, 0.3312, 0.2994

Tritanomaly

31.1311, 0.3742, 0.3045

Monochromacy



Original Color

30.9201, 0.3609, 0.2844

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.6037, 0.3293, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9201, 0.3609, 0.2844 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(204, 128, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 163)  
}
```

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(204, 128, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 163) }
```

Border

The CSS property to change the border of an element to Yxy 30.9201, 0.3609, 0.2844 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(204, 128, 163) }
```

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

```
.border{ border-color:rgb(204, 128, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 128, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9201, 0.3609, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 163) }
```

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

```
.background{ background-color: rgb(204,  
128, 163) }
```

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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