

Converting Colors

$Y_{xy}(46.6287, 0.3156, 0.2911)$

Have a look what the booklet for
Yxy(46.6287, 0.3156, 0.2911)
contains.

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Color

Yxy(46.7960, 0.3162, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	CDACCB
RGB	205, 172, 203
RGB Percent	80%, 67%, 80%
CMY	0.1961, 0.3255, 0.2039
CMYK	0.00, 0.16, 0.01, 0.20
HSL	304°, 25%, 74%
HSV	304°, 16%, 80%
XYZ	50.7090, 46.7960, 62.8651
YIQ	185.4010, 9.7170, 16.6370

Conversions

Conversions Part 2

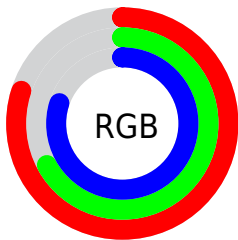
Format	Color
R _Y B	205, 172, 203
Decimal	13479115
CIE Lab	74.06, 17.34, -11.26
CIE LCh	74, 20.678, 326.994
Yxy	46.7960, 0.3162, 0.2918
Android (android.graphics.Color)	4291669195 (0xFFCDACCB)
YUV	185.4010, 8.6763, 17.1883
Hunter-Lab	68.4076, 12.6048, -6.6009

Details

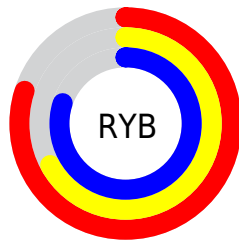
The Yxy color **46.7960, 0.3162, 0.2918** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.4887, 0.3093, 0.3692**, and the grayscale version is **48.6985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **22.1822, 0.3173, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **39.5286, 0.3186, 0.2682**, and if you desaturate by 10%, it is **55.2716, 0.3140, 0.3151**.

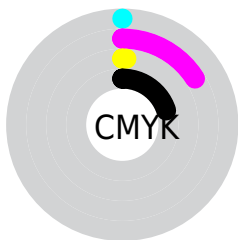
Distribution



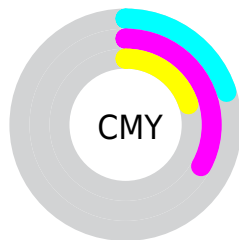
- Red (80%)
- Green (67%)
- Blue (80%)



- Red (80%)
- Yellow (67%)
- Blue (80%)



- Cyan (0%)
- Magenta (16%)
- Yellow (1%)
- Black (20%)




- Cyan (20%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7960, 0.3162, 0.2918 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 46.7960, 0.3162, 0.2918 by changing the saturation by 10% instead.


 46.7960, 0.3162,
0.2918

 46.7960, 0.3162,
0.2918


373.9997, 0.3147,
0.3099

 32.8744, 0.3165,
0.2875


 85.4090, 0.3157,
0.2982

 22.0303, 0.3169,
0.2820


110.8693, 0.3155,
0.3007

 13.8791, 0.3173,
0.2748


140.9445, 0.3153,
0.3028

 8.0366, 0.3178,
0.2651

176.0192, 0.3152,
0.3046

 4.1184, 0.3183,
0.2513

216.4776, 0.3150,
0.3062

 1.7400, 0.3185,
0.2299

262.7042, 0.3149,

 0.4494, 0.3257,

0.3075

0.1721

315.0835, 0.3148,
0.3088

0.0000, 0.0000,
0.0000

46.7960, 0.3162,
0.2918

46.7960, 0.3162,
0.2918

39.5286, 0.3186,
0.2682

55.2716, 0.3140,
0.3151

33.4082, 0.3212,
0.2451

65.0007, 0.3120,
0.3377

28.3777, 0.3239,
0.2234

76.0338, 0.3102,
0.3590

24.3725, 0.3266,
0.2039

88.4168, 0.3086,
0.3789

21.3211, 0.3292,
0.1877

89.1116, 0.3078,
0.3785

■ 19.1432, 0.3317,
0.1755

■ 89.1731, 0.3072,
0.3772

■ 17.7449, 0.3340,
0.1675

■ 89.2351, 0.3065,
0.3758

■ 17.0085, 0.3360,
0.1637

■ 89.2976, 0.3058,
0.3744

■ 16.8132, 0.3367,
0.1629

■ 89.3606, 0.3051,
0.3730

Harmonies

Analogous

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



46.7960, 0.2880, 0.2821



46.7960, 0.3162, 0.2918



46.7960, 0.3446, 0.3104

Triad

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



46.7960, 0.3162, 0.2918



46.7960, 0.3592, 0.3748



46.7960, 0.2633, 0.3205

Complementary

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



46.7960, 0.3162, 0.2918



55.4887, 0.3093, 0.3692

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.



46.7960, 0.2808, 0.3481



46.7960, 0.3162, 0.2918



46.7960, 0.3360, 0.3804

Square

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



46.7960, 0.3162, 0.2918



46.7960, 0.3700, 0.3573



46.7960, 0.3072, 0.3707



46.7960, 0.2585, 0.2971

Rectangle

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



46.7960, 0.3162, 0.2918



46.7960, 0.3594, 0.3258



46.7960, 0.3072, 0.3707



46.7960, 0.2678, 0.3297

Sweetspot

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



46.7980, 0.3162, 0.2918



92.0838, 0.3138, 0.3175



42.8736, 0.2881, 0.2862



19.4807, 0.3139, 0.3159



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.



46.7980, 0.3162, 0.2918



72.7012, 0.3169, 0.2844



46.0673, 0.3299, 0.3109



11.3916, 0.3147, 0.3075



10.4722, 0.3365, 0.1627



0.5439, 0.3332, 0.1609

Inverse Universe

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



46.7980, 0.3162, 0.2918



72.7012, 0.3169, 0.2844



56.1573, 0.2983, 0.3479



11.3916, 0.3147, 0.3075



10.4722, 0.3365, 0.1627



0.5439, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 46.7960, 0.3162, 0.2918 looks on a white background.

Color Contrast Check

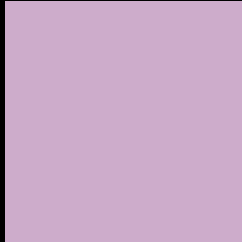
Large Text (above 18pt) WCAG AA × Fail

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 46.7960, 0.3162, 0.2918 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 46.7960, 0.3162, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 46.7960, 0.3162, 0.2918.



This preview shows how white text looks on a background with the Yxy color 46.7960, 0.3162, 0.2918.

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

46.7960, 0.3162, 0.2918

Protanopia

47.1162, 0.2891, 0.2936

Deuteranopia

46.7849, 0.3048, 0.2979



Tritanopia

46.9873, 0.3267, 0.3131

Trichromacy



Original Color

46.7960, 0.3162, 0.2918

Protanomaly

47.0371, 0.2985, 0.2930

Deuteranomaly

46.6600, 0.3091, 0.2958

Tritanomaly

46.9597, 0.3235, 0.3059

Monochromacy



Original Color

46.7960, 0.3162, 0.2918

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.6548, 0.3134, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7960, 0.3162, 0.2918 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(205, 172, 203)` looks like.

```
.text, #text, p{  
    color:rgb(205, 172, 203)  
}
```

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(205, 172, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 172, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.7960, 0.3162, 0.2918 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(205, 172, 203) }
```

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

```
.border{ border-color:rgb(205, 172, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 172, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 172, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 172, 203);  
box-shadow:4px 4px 4px 4px rgb(205, 172,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7960, 0.3162, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 172, 203) }
```

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

```
.background{ background-color: rgb(205,  
172, 203) }
```

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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