

Converting Colors

$Y_{xy}(46.7559, 0.2958, 0.3014)$

Have a look what the booklet for
Yxy(46.7559, 0.2958, 0.3014)
contains.

Yxy(46.6101, 0.2958, 0.3010)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6101, 0.2958, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	B4B4CA
RGB	180, 180, 202
RGB Percent	71%, 71%, 79%
CMY	0.2940, 0.2941, 0.2080
CMYK	0.11, 0.11, 0.00, 0.21
HSL	240°, 17%, 75%
HSV	240°, 11%, 79%
XYZ	45.8049, 46.6101, 62.4359
YIQ	182.5080, -7.0620, 6.8420

Conversions

Conversions Part 2

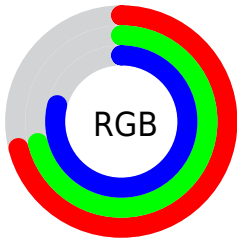
Format	Color
R _Y B	180, 180, 202
Decimal	11842762
CIE Lab	73.94, 4.34, -11.09
CIE LCh	74, 11.907, 291.358
Yxy	46.6101, 0.2958, 0.3010
Android (android.graphics.Color)	4290032842 (0xFFB4B4CA)
YUV	182.5080, 9.6096, -2.1995
Hunter-Lab	68.2716, 0.2842, -6.4319

Details

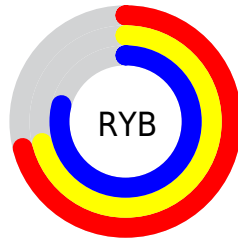
The Yxy color **46.6101, 0.2958, 0.3010** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0670, 0.3288, 0.3555**, and the grayscale version is **47.0219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0438, 0.3012, 0.3100**, and **21.8289, 0.2907, 0.2926** is the 20% darker color. If you saturate the color by 10%, you get **36.7950, 0.2781, 0.2717**, and if you desaturate by 10%, it is **57.9697, 0.3114, 0.3269**.

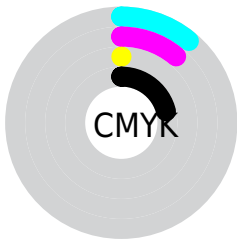
Distribution



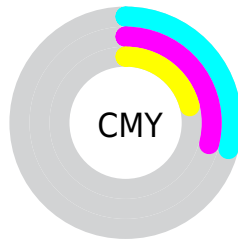
- Red (71%)
- Green (71%)
- Blue (79%)



- Red (71%)
- Yellow (71%)
- Blue (79%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)



- Cyan (29%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6101, 0.2958, 0.3010 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 46.6101, 0.2958, 0.3010 by changing the saturation by 10% instead.

■ 46.6101, 0.2958,
0.3010

■ 46.6101, 0.2958,
0.3010

373.2561, 0.3043,
0.3148

■ 32.7275, 0.2937,
0.2976

■ 85.1313, 0.2989,
0.3060

■ 21.9178, 0.2910,
0.2933

110.5388, 0.3000,
0.3079

■ 13.7965, 0.2873,
0.2876

140.5567, 0.3010,
0.3095

■ 7.9793, 0.2822,
0.2797

175.5693, 0.3019,
0.3108

■ 4.0817, 0.2747,
0.2682

215.9612, 0.3026,
0.3120

■ 1.7194, 0.2623,
0.2499

262.1167, 0.3032,

■ 0.4361, 0.2327,

0.3131

0.1951

314.4202, 0.3038,
0.3140

0.0000, 0.0000,
0.0000

46.6101, 0.2958,
0.3010

46.6101, 0.2958,
0.3010

36.7950, 0.2781,
0.2717

57.9697, 0.3114,
0.3269

28.4521, 0.2585,
0.2393

70.9301, 0.3251,
0.3494

21.5123, 0.2375,
0.2045

85.5521, 0.3368,
0.3689

15.8985, 0.2160,
0.1690

97.0425, 0.3442,
0.3811

11.5264, 0.1954,
0.1349

■ 8.3016, 0.1773,
0.1050

■ 6.1168, 0.1633,
0.0819

■ 4.8440, 0.1543,
0.0671

■ 4.2640, 0.1500,
0.0600

Harmonies

Analogous

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



46.6101, 0.2846, 0.3036



46.6101, 0.2958, 0.3010



46.6101, 0.3117, 0.3055

Triad

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



46.6101, 0.2958, 0.3010



46.6101, 0.3457, 0.3436



46.6101, 0.2969, 0.3427

Complementary

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



46.6101, 0.2958, 0.3010



58.0670, 0.3288, 0.3555

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.



46.6101, 0.3130, 0.3542



46.6101, 0.2958, 0.3010



46.6101, 0.3414, 0.3542

Square

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



46.6101, 0.2958, 0.3010



46.6101, 0.3409, 0.3296



46.6101, 0.3293, 0.3584



46.6101, 0.2853, 0.3274

Rectangle

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



46.6101, 0.2958, 0.3010



46.6101, 0.3230, 0.3118



46.6101, 0.3293, 0.3584



46.6101, 0.3020, 0.3472

Sweetspot

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



46.6121, 0.2958, 0.3010



93.7952, 0.3082, 0.3216



56.1897, 0.2962, 0.3290



19.7301, 0.3070, 0.3195



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.



46.6121, 0.2958, 0.3010



74.8946, 0.2919, 0.2946



47.9797, 0.3048, 0.3018



10.8446, 0.2982, 0.3050



2.7452, 0.1501, 0.0600



0.1418, 0.1502, 0.0601

Inverse Universe

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



49.4559, 0.3140, 0.3026



80.6405, 0.3142, 0.2969



56.5931, 0.3200, 0.3563



11.4036, 0.3138, 0.3062



10.8173, 0.3212, 0.1543



0.5581, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 46.6101, 0.2958, 0.3010 looks on a white background.

Color Contrast Check

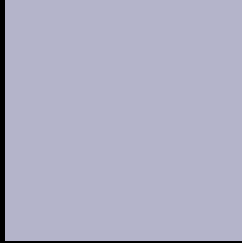
Large Text (above 18pt) WCAG AA × Fail

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 46.6101, 0.2958, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

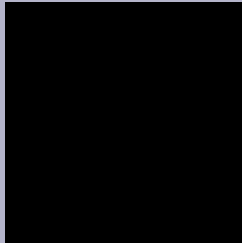
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6101, 0.2958, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 46.6101, 0.2958, 0.3010.

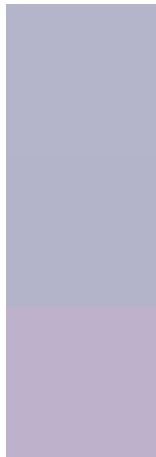


This preview shows how white text looks on a background with the Yxy color 46.6101, 0.2958, 0.3010.

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

46.6101, 0.2958, 0.3010

Protanopia

46.4905, 0.2949, 0.3009

Deuteranopia

46.7032, 0.3032, 0.2966



Tritanopia

46.5716, 0.3002, 0.3109

Trichromacy



Original Color

46.6101, 0.2958, 0.3010

Protanomaly

46.4905, 0.2949, 0.3009

Deuteranomaly

46.5917, 0.2999, 0.2976

Tritanomaly

46.7087, 0.2979, 0.3072

Monochromacy



Original Color

46.6101, 0.2958, 0.3010

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1187, 0.3065, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6101, 0.2958, 0.3010 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(180, 180, 202)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 202)  
}
```

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(180, 180, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 202) }
```

Border

The CSS property to change the border of an element to Yxy 46.6101, 0.2958, 0.3010 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(180, 180, 202) }
```

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

```
.border{ border-color:rgb(180, 180, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 180, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 180, 202); box-shadow:4px 4px 4px 4px rgb(180, 180, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6101, 0.2958, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 202) }
```

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

```
.background{ background-color: rgb(180,  
180, 202) }
```

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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