

Converting Colors

$Yxy(46.6715, 0.2970, 0.3108)$

Have a look what the booklet for
Yxy(46.6715, 0.2970, 0.3108)
contains.

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Color

Yxy(46.6715, 0.2970, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	B0B6C4
RGB	176, 182, 196
RGB Percent	69%, 71%, 77%
CMY	0.3098, 0.2863, 0.2313
CMYK	0.10, 0.07, 0.00, 0.23
HSL	222°, 15%, 73%
HSV	222°, 10%, 77%
XYZ	44.5992, 46.6715, 58.8950
YIQ	181.8020, -8.0700, 3.0820

Conversions

Conversions Part 2

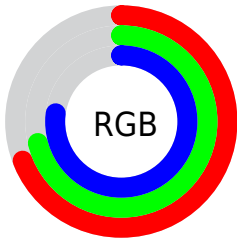
Format	Color
R_{YB}	176, 181, 196
Decimal	11581124
CIE Lab	73.98, 0.70, -7.82
CIE LCh	74, 7.850, 275.089
Yxy	46.6715, 0.2970, 0.3108
Android (android.graphics.Color)	4289771204 (0xFFB0B6C4)
YUV	181.8020, 6.9996, -5.0884
Hunter-Lab	68.3165, -3.0235, -3.2917

Details

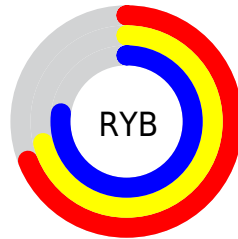
The Yxy color $46.6715, 0.2970, 0.3108$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $51.7137, 0.3286, 0.3466$, and the grayscale version is $46.6324, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3967, 0.2998, 0.3139$, and $21.8645, 0.2924, 0.3059$ is the 20% darker color. If you saturate the color by 10%, you get $39.1987, 0.2804, 0.2908$, and if you desaturate by 10%, it is $55.0299, 0.3124, 0.3286$.

Distribution



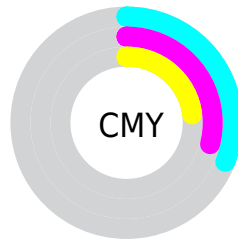
- Red (69%)
- Green (71%)
- Blue (77%)



- Red (69%)
- Yellow (71%)
- Blue (77%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6715, 0.2970, 0.3108 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 46.6715, 0.2970, 0.3108 by changing the saturation by 10% instead.

■ 46.6715, 0.2970,
0.3108

■ 46.6715, 0.2970,
0.3108

373.5018, 0.3048,
0.3199

■ 32.7760, 0.2950,
0.3085

■ 85.2231, 0.2998,
0.3141

■ 21.9549, 0.2925,
0.3057

110.6480, 0.3009,
0.3153

■ 13.8238, 0.2892,
0.3018

140.6848, 0.3018,
0.3164

■ 7.9982, 0.2846,
0.2965

175.7180, 0.3026,
0.3173

■ 4.0938, 0.2776,
0.2886

216.1318, 0.3033,
0.3180

■ 1.7262, 0.2663,
0.2757

262.3108, 0.3039,

■ 0.4405, 0.2288,

0.3187

0.2314

314.6393, 0.3044,
0.3193

0.0000, 0.0000,
0.0000

46.6715, 0.2970,
0.3108

46.6715, 0.2970,
0.3108

39.1987, 0.2804,
0.2908

55.0299, 0.3124,
0.3286

32.5758, 0.2629,
0.2685

64.2963, 0.3266,
0.3444

26.7730, 0.2448,
0.2443

74.4999, 0.3395,
0.3582

21.7566, 0.2266,
0.2185

85.6665, 0.3511,
0.3702

17.4906, 0.2090,
0.1919

94.0336, 0.3487,
0.3830

■ 13.9354, 0.1929,
0.1654

■ 96.7665, 0.3478,
0.3870

■ 11.0478, 0.1791,
0.1402

■ 8.7786, 0.1684,
0.1177

■ 7.0823, 0.1608,
0.0989

Harmonies

Analogous

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



46.6715, 0.2920, 0.3152



46.6715, 0.2970, 0.3108



46.6715, 0.3062, 0.3112

Triad

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



46.6715, 0.2970, 0.3108



46.6715, 0.3334, 0.3339



46.6715, 0.3079, 0.3425

Complementary

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



46.6715, 0.2970, 0.3108



51.7137, 0.3286, 0.3466

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.



46.6715, 0.3190, 0.3476



46.6715, 0.2970, 0.3108



46.6715, 0.3338, 0.3424

Square

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



46.6715, 0.2970, 0.3108



46.6715, 0.3273, 0.3243



46.6715, 0.3285, 0.3475



46.6715, 0.2983, 0.3336

Rectangle

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



46.6715, 0.2970, 0.3108



46.6715, 0.3136, 0.3140



46.6715, 0.3285, 0.3475



46.6715, 0.3116, 0.3447

Sweetspot

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



46.6735, 0.2970, 0.3108



95.2057, 0.3082, 0.3238



52.4394, 0.3014, 0.3367



20.1092, 0.3069, 0.3224



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.



46.6735, 0.2970, 0.3108



81.7274, 0.2938, 0.3070



44.7449, 0.3003, 0.3031



10.2286, 0.2984, 0.3124



4.6827, 0.1615, 0.1013



0.3261, 0.1745, 0.1480

Inverse Universe

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



46.1699, 0.3255, 0.3215



80.7019, 0.3283, 0.3200



53.8338, 0.3244, 0.3541



10.1264, 0.3243, 0.3221



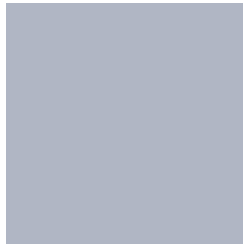
7.7549, 0.5739, 0.2935



0.3476, 0.5085, 0.2575

Previews

White Background



This preview shows how the Yxy color 46.6715, 0.2970, 0.3108 looks on a white background.

Color Contrast Check

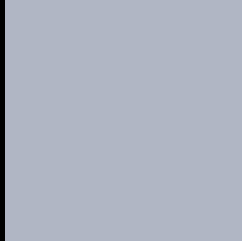
Large Text (above 18pt) WCAG AA × Fail

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 46.6715, 0.2970, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

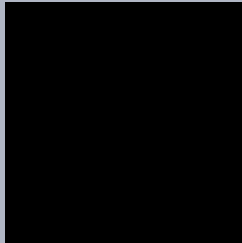
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

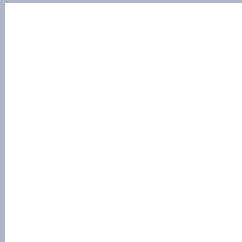
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6715, 0.2970, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 46.6715, 0.2970, 0.3108.

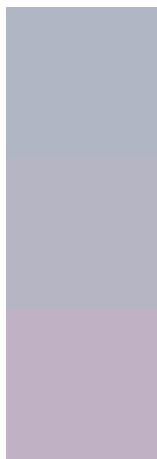


This preview shows how white text looks on a background with the Yxy color 46.6715, 0.2970, 0.3108.

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

46.6715, 0.2970, 0.3108

Protanopia

46.8116, 0.3018, 0.3110

Deuteranopia

46.6820, 0.3096, 0.3040



Tritanopia

46.6715, 0.2970, 0.3108

Trichromacy



Original Color

46.6715, 0.2970, 0.3108

Protanomaly

46.5716, 0.3002, 0.3109

Deuteranomaly

46.7105, 0.3045, 0.3062

Tritanomaly

46.6715, 0.2970, 0.3108

Monochromacy



Original Color

46.6715, 0.2970, 0.3108

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.7471, 0.3071, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6715, 0.2970, 0.3108 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(176, 182, 196)` looks like.

```
.text, #text, p{  
    color:rgb(176, 182, 196)  
}
```

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(176, 182, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 182, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.6715, 0.2970, 0.3108 is called "border". The border property can be set on classes, ids or directly on the HTML element.

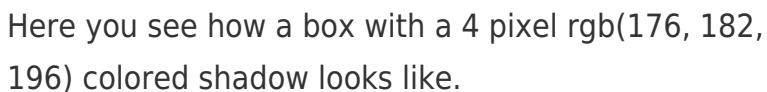
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 182, 196) }
```

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

```
.border{ border-color:rgb(176, 182, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 182, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 182, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 182, 196); box-shadow:4px 4px 4px 4px rgb(176, 182, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6715, 0.2970, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 182, 196) }
```

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

```
.background{ background-color: rgb(176,  
182, 196) }
```

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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