

Converting Colors

$Yxy(46.8721, 0.2933, 0.3187)$

Have a look what the booklet for
Yxy(46.8721, 0.2933, 0.3187)
contains.

Yxy(46.8730, 0.2929, 0.3184)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8730, 0.2929, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	A8B9C1
RGB	168, 185, 193
RGB Percent	66%, 73%, 76%
CMY	0.3413, 0.2745, 0.2432
CMYK	0.13, 0.04, 0.00, 0.24
HSL	199°, 17%, 71%
HSV	199°, 13%, 76%
XYZ	43.1190, 46.8730, 57.2222
YIQ	180.8290, -12.7000, -1.1160

Conversions

Conversions Part 2

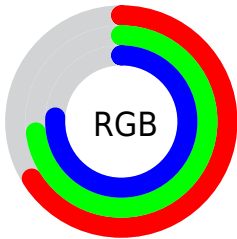
Format	Color
R_YB	168, 178, 193
Decimal	11057601
CIE _{Lab}	74.11, -4.21, -6.04
CIE _{LCh}	74, 7.360, 235.130
Yxy	46.8730, 0.2929, 0.3184
Android (android.graphics.Color)	4289247681 (0xFFA8B9C1)
YUV	180.8290, 6.0003, -11.2510
Hunter-Lab	68.4639, -7.3912, -1.6299

Details

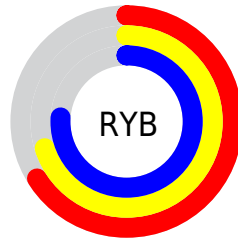
The Yxy color $46.8730, 0.2929, 0.3184$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $45.1995, 0.3347, 0.3394$, and the grayscale version is $46.0825, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.4381, 0.2965, 0.3207$, and $22.1090, 0.2871, 0.3144$ is the 20% darker color. If you saturate the color by 10%, you get $42.3900, 0.2776, 0.3093$, and if you desaturate by 10%, it is $51.7859, 0.3082, 0.3267$.

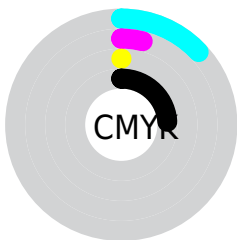
Distribution



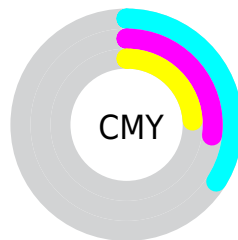
- Red (66%)
- Green (73%)
- Blue (76%)



- Red (66%)
- Yellow (70%)
- Blue (76%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)



- Cyan (34%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8730, 0.2929, 0.3184 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 46.8730, 0.2929, 0.3184 by changing the saturation by 10% instead.

■ 46.8730, 0.2929,
0.3184

■ 46.8730, 0.2929,
0.3184

■ 374.3074, 0.3027,
0.3238

■ 32.9353, 0.2905,
0.3170

■ 85.5240, 0.2965,
0.3204

■ 22.0769, 0.2873,
0.3153

■ 111.0061, 0.2978,
0.3211

■ 13.9134, 0.2832,
0.3130

■ 141.1051, 0.2989,
0.3217

■ 8.0604, 0.2774,
0.3096

■ 176.2054, 0.2999,
0.3222

■ 4.1337, 0.2689,
0.3047

■ 216.6913, 0.3008,
0.3227

■ 1.7486, 0.2551,
0.2962

■ 262.9474, 0.3015,

■ 0.4548, 0.1937,

0.3231

0.2673

315.3579, 0.3022,
0.3234

0.0000, 0.0000,
0.0000

46.8730, 0.2929,
0.3184

46.8730, 0.2929,
0.3184

42.3900, 0.2776,
0.3093

51.7859, 0.3082,
0.3267

38.3160, 0.2626,
0.2993

57.1372, 0.3233,
0.3342

34.6365, 0.2483,
0.2886

62.9423, 0.3380,
0.3408

31.3340, 0.2350,
0.2773

69.2143, 0.3522,
0.3467

28.3894, 0.2231,
0.2655

74.1234, 0.3584,
0.3525

■ 25.7814, 0.2128,
0.2535

■ 77.3353, 0.3570,
0.3586

■ 23.4858, 0.2045,
0.2413

■ 80.6667, 0.3556,
0.3647

■ 21.4736, 0.1982,
0.2293

■ 84.1189, 0.3541,
0.3707

■ 20.1896, 0.1947,
0.2209

■ 87.6932, 0.3528,
0.3765

Harmonies

Analogous

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



46.8730, 0.2951, 0.3270



46.8730, 0.2929, 0.3184



46.8730, 0.2959, 0.3129

Triad

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



46.8730, 0.2929, 0.3184



46.8730, 0.3235, 0.3218



46.8730, 0.3219, 0.3469

Complementary

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



46.8730, 0.2929, 0.3184



45.1995, 0.3347, 0.3394

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.



46.8730, 0.3297, 0.3452



46.8730, 0.2929, 0.3184



46.8730, 0.3307, 0.3306

Square

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



46.8730, 0.2929, 0.3184



46.8730, 0.3135, 0.3149



46.8730, 0.3330, 0.3392



46.8730, 0.3117, 0.3437

Rectangle

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



46.8730, 0.2929, 0.3184



46.8730, 0.3005, 0.3115



46.8730, 0.3330, 0.3392



46.8730, 0.3249, 0.3469

Sweetspot

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



46.8750, 0.2929, 0.3184



91.7484, 0.3065, 0.3258



49.5904, 0.3053, 0.3518



19.5353, 0.3054, 0.3252



97.7402, 0.3127, 0.3290



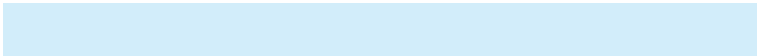
20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.8750, 0.2929, 0.3184



81.2339, 0.2879, 0.3155



41.8939, 0.2925, 0.3016



10.8688, 0.2984, 0.3215



13.5788, 0.1951, 0.2225



0.7065, 0.2025, 0.2490

Inverse Universe

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



42.8380, 0.3210, 0.3073



72.4798, 0.3234, 0.3016



50.3039, 0.3326, 0.3550



10.1910, 0.3185, 0.3134



8.6530, 0.4206, 0.2091



0.3860, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 46.8730, 0.2929, 0.3184 looks on a white background.

Color Contrast Check

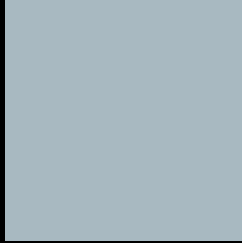
Large Text (above 18pt) WCAG AA × Fail

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 46.8730, 0.2929, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

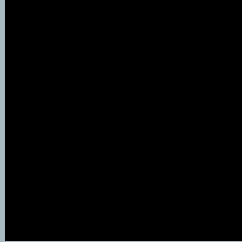
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

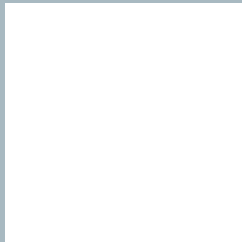
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8730, 0.2929, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 46.8730, 0.2929, 0.3184.



This preview shows how white text looks on a background with the Yxy color 46.8730, 0.2929, 0.3184.

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

46.8730, 0.2929, 0.3184

Protanopia

46.8766, 0.3066, 0.3161

Deuteranopia

46.8537, 0.3129, 0.3066



Tritanopia

46.8395, 0.2893, 0.3093

Trichromacy



Original Color

46.8730, 0.2929, 0.3184

Protanomaly

46.7266, 0.3016, 0.3160

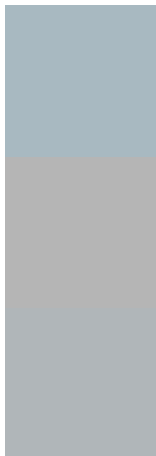
Deuteranomaly

46.8518, 0.3059, 0.3112

Tritanomaly

46.7472, 0.2908, 0.3119

Monochromacy



Original Color

46.8730, 0.2929, 0.3184

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.1888, 0.3053, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8730, 0.2929, 0.3184 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(168, 185, 193)` looks like.

```
.text, #text, p{  
    color:rgb(168, 185, 193)  
}
```

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(168, 185, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 185, 193) }
```

Border

The CSS property to change the border of an element to Yxy 46.8730, 0.2929, 0.3184 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(168, 185, 193) }
```

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

```
.border{ border-color:rgb(168, 185, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 185, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 185, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 185, 193);  
box-shadow:4px 4px 4px 4px rgb(168, 185,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8730, 0.2929, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 185, 193) }
```

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

```
.background{ background-color: rgb(168,  
185, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor