

Converting Colors

$Yxy(50.1815, 0.2936, 0.3147)$

Have a look what the booklet for
Yxy(50.1815, 0.2936, 0.3147)
contains.

Yxy(50.2741, 0.2936, 0.3149)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2741, 0.2936, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	B0BEC9
RGB	176, 190, 201
RGB Percent	69%, 75%, 79%
CMY	0.3095, 0.2550, 0.2117
CMYK	0.12, 0.05, 0.00, 0.21
HSL	207°, 19%, 74%
HSV	207°, 12%, 79%
XYZ	46.8735, 50.2741, 62.5034
YIQ	187.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

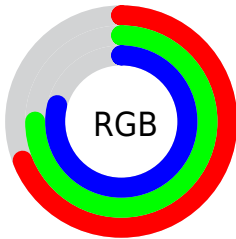
Format	Color
R _Y B	176, 185, 201
Decimal	11583177
CIE Lab	76.24, -2.54, -7.19
CIE LCh	76, 7.624, 250.529
Yxy	50.2741, 0.2936, 0.3149
Android (android.graphics.Color)	4289773257 (0xFFB0BEC9)
YUV	187.0680, 6.8685, -9.7066
Hunter-Lab	70.9042, -6.0792, -2.6322

Details

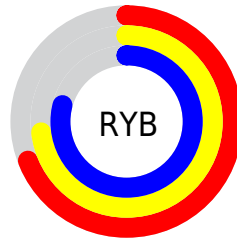
The Yxy color **50.2741, 0.2936, 0.3149** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.1425, 0.3332, 0.3427**, and the grayscale version is **49.7072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2873, 0.2987, 0.3200**, and **24.2089, 0.2881, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **44.3683, 0.2778, 0.3021**, and if you desaturate by 10%, it is **56.7660, 0.3091, 0.3264**.

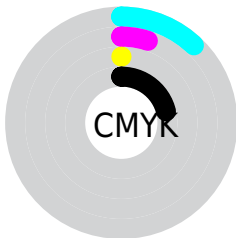
Distribution



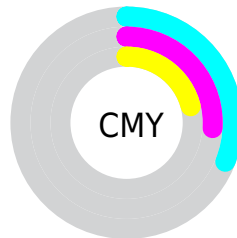
- Red (69%)
- Green (75%)
- Blue (79%)



- Red (69%)
- Yellow (73%)
- Blue (79%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)



- Cyan (31%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2741, 0.2936, 0.3149 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 50.2741, 0.2936, 0.3149 by changing the saturation by 10% instead.

■ 50.2741, 0.2936,
0.3149

■ 50.2741, 0.2936,
0.3149

387.7369, 0.3030,
0.3219

■ 35.6312, 0.2913,
0.3132

■ 90.5809, 0.2970,
0.3174

■ 24.1495, 0.2884,
0.3110

117.0136, 0.2983,
0.3184

■ 15.4446, 0.2845,
0.3080

148.1450, 0.2993,
0.3192

■ 9.1320, 0.2793,
0.3040

184.3595, 0.3003,
0.3199

■ 4.8274, 0.2716,
0.2980

226.0416, 0.3011,
0.3205

■ 2.1463, 0.2593,
0.2884

273.5756, 0.3018,

■ 0.6905, 0.2313,

0.3210

0.2688

327.3459, 0.3024,
0.3215

0.0000, 0.0000,
0.0000

50.2741, 0.2936,
0.3149

50.2741, 0.2936,
0.3149

44.3683, 0.2778,
0.3021

56.7660, 0.3091,
0.3264

39.0231, 0.2619,
0.2882

63.8562, 0.3240,
0.3367

34.2200, 0.2463,
0.2730

71.5640, 0.3382,
0.3458

29.9368, 0.2314,
0.2569

79.6250, 0.3505,
0.3539

26.1497, 0.2176,
0.2401

84.5736, 0.3487,
0.3626

■ 22.8321, 0.2054,
0.2229

■ 89.7765, 0.3470,
0.3712

■ 19.9544, 0.1952,
0.2057

■ 95.2372, 0.3453,
0.3794

■ 17.4815, 0.1872,
0.1889

■ 96.9980, 0.3448,
0.3820

■ 15.8310, 0.1824,
0.1766

Harmonies

Analogous

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



50.2741, 0.2931, 0.3222



50.2741, 0.2936, 0.3149



50.2741, 0.2992, 0.3115

Triad

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



50.2741, 0.2936, 0.3149



50.2741, 0.3279, 0.3262



50.2741, 0.3168, 0.3461

Complementary

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



50.2741, 0.2936, 0.3149



51.1425, 0.3332, 0.3427

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.



50.2741, 0.3263, 0.3469



50.2741, 0.2936, 0.3149



50.2741, 0.3328, 0.3353

Square

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



50.2741, 0.2936, 0.3149



50.2741, 0.3189, 0.3180



50.2741, 0.3322, 0.3429



50.2741, 0.3063, 0.3404

Rectangle

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



50.2741, 0.2936, 0.3149



50.2741, 0.3050, 0.3117



50.2741, 0.3322, 0.3429



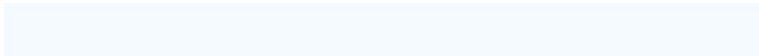
50.2741, 0.3202, 0.3469

Sweetspot

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



50.2762, 0.2936, 0.3149



95.2718, 0.3066, 0.3246



54.6035, 0.3036, 0.3470



20.2058, 0.3054, 0.3238



0.0000, 0.0000, 0.0000



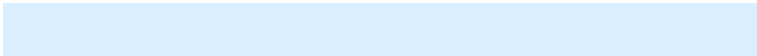
21.4041, 0.3127, 0.3290

Same Dimension

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



50.2762, 0.2936, 0.3149



83.1306, 0.2892, 0.3115



45.1902, 0.2932, 0.2989



11.2521, 0.2983, 0.3185



10.1369, 0.1830, 0.1789



0.6227, 0.1926, 0.2132

Inverse Universe

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



47.2148, 0.3232, 0.3119



76.9348, 0.3259, 0.3079



56.5688, 0.3313, 0.3574



10.7343, 0.3204, 0.3162



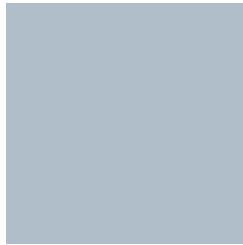
8.5633, 0.4699, 0.2362



0.4199, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 50.2741, 0.2936, 0.3149 looks on a white background.

Color Contrast Check

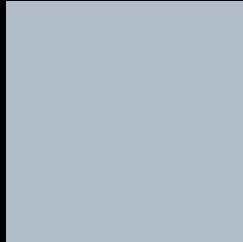
Large Text (above 18pt) WCAG AA × Fail

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 50.2741, 0.2936, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

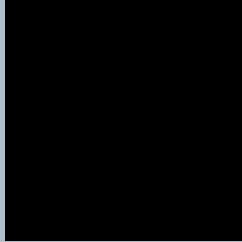
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

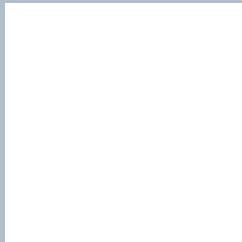
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2741, 0.2936, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 50.2741, 0.2936, 0.3149.

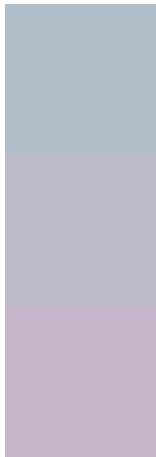


This preview shows how white text looks on a background with the Yxy color 50.2741, 0.2936, 0.3149.

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

50.2741, 0.2936, 0.3149

Protanopia

50.3555, 0.3044, 0.3140

Deuteranopia

49.9098, 0.3106, 0.3036



Tritanopia

50.1019, 0.2922, 0.3100

Trichromacy



Original Color

50.2741, 0.2936, 0.3149

Protanomaly

50.3269, 0.3005, 0.3139

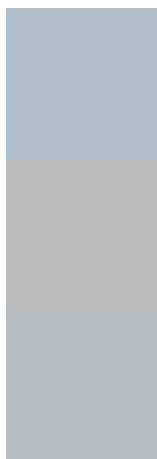
Deuteranomaly

50.0386, 0.3047, 0.3080

Tritanomaly

50.0541, 0.2929, 0.3112

Monochromacy



Original Color

50.2741, 0.2936, 0.3149

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.8395, 0.3056, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2741, 0.2936, 0.3149 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, 190, 201)` looks like.

```
.text, #text, p{  
    color:rgb(176, 190, 201)  
}
```

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, 190, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 190, 201) }
```

Border

The CSS property to change the border of an element to Yxy 50.2741, 0.2936, 0.3149 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, 190, 201) }
```

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

```
.border{ border-color:rgb(176, 190, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 190, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 190, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 190, 201); box-shadow:4px 4px 4px 4px rgb(176, 190, 201) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2741, 0.2936, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 190, 201) }
```

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

```
.background{ background-color: rgb(176,  
190, 201) }
```

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