

Converting Colors

$Yxy(46.7675, 0.2918, 0.3209)$

Have a look what the booklet for
Yxy(46.7675, 0.2918, 0.3209)
contains.

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Color

Yxy(46.9229, 0.2913, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	A5BAC0
RGB	165, 186, 192
RGB Percent	65%, 73%, 75%
CMY	0.3531, 0.2705, 0.2471
CMYK	0.14, 0.03, 0.00, 0.25
HSL	193°, 18%, 70%
HSV	193°, 14%, 75%
XYZ	42.5814, 46.9229, 56.6729
YIQ	180.4050, -14.4420, -2.5860

Conversions

Conversions Part 2

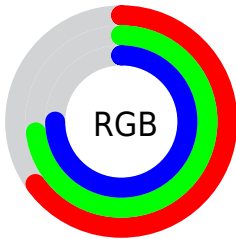
Format	Color
R_{YB}	165, 177, 192
Decimal	10861248
CIE Lab	74.14, -5.95, -5.47
CIE LCh	74, 8.078, 222.574
Yxy	46.9229, 0.2913, 0.3210
Android (android.graphics.Color)	4289051328 (0xFFFA5BAC0)
YUV	180.4050, 5.7163, -13.5102
Hunter-Lab	68.5003, -8.9156, -1.1027

Details

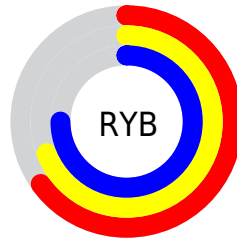
The Yxy color `46.9229, 0.2913, 0.3210` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `43.0153, 0.3373, 0.3369`, and the grayscale version is `45.8418, 0.3127, 0.3290`.

A 20% lighter version of the original color is `85.4972, 0.2953, 0.3228`, and `22.1498, 0.2851, 0.3180` is the 20% darker color. If you saturate the color by 10%, you get `43.2594, 0.2765, 0.3147`, and if you desaturate by 10%, it is `50.9522, 0.3065, 0.3268`.

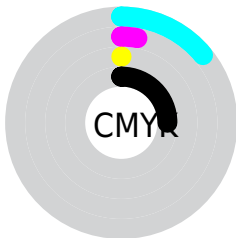
Distribution



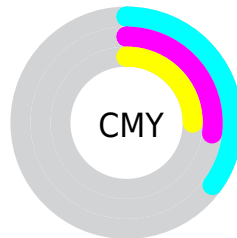
- Red (65%)
- Green (73%)
- Blue (75%)



- Red (65%)
- Yellow (69%)
- Blue (75%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)





- Cyan (35%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9229, 0.2913, 0.3210 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 46.9229, 0.2913, 0.3210 by changing the saturation by 10% instead.


 46.9229, 0.2913,
0.3210

 46.9229, 0.2913,
0.3210


374.5067, 0.3019,
0.3251

 32.9747, 0.2887,
0.3200


 85.5985, 0.2951,
0.3225

 22.1071, 0.2853,
0.3186


 111.0947, 0.2966,
0.3231

 13.9356, 0.2808,
0.3168


141.2091, 0.2978,
0.3235

 8.0759, 0.2746,
0.3142

176.3260, 0.2989,
0.3239

 4.1435, 0.2655,
0.3102

216.8298, 0.2998,
0.3243

 1.7542, 0.2506,
0.3034

263.1049, 0.3006,

 0.4584, 0.1782,

0.3246

0.2812

315.5358, 0.3013,
0.3248

0.0000, 0.0000,
0.0000

46.9229, 0.2913,
0.3210

46.9229, 0.2913,
0.3210

43.2594, 0.2765,
0.3147

50.9522, 0.3065,
0.3268

39.9418, 0.2623,
0.3078

55.3549, 0.3217,
0.3320

36.9568, 0.2490,
0.3006

60.1454, 0.3369,
0.3367

34.2878, 0.2371,
0.2929

65.3358, 0.3516,
0.3409

31.9168, 0.2267,
0.2850

69.7922, 0.3613,
0.3448

■ 29.8235, 0.2181,
0.2769

■ 71.8762, 0.3602,
0.3492

■ 27.9845, 0.2115,
0.2688

■ 74.0159, 0.3592,
0.3534

■ 26.3718, 0.2067,
0.2608

■ 76.2115, 0.3582,
0.3577

■ 25.4916, 0.2045,
0.2561

■ 78.4635, 0.3572,
0.3619

Harmonies

Analogous

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



46.9229, 0.2960, 0.3311



46.9229, 0.2913, 0.3210



46.9229, 0.2923, 0.3133

Triad

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



46.9229, 0.2913, 0.3210



46.9229, 0.3202, 0.3176



46.9229, 0.3268, 0.3486

Complementary

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



46.9229, 0.2913, 0.3210



43.0153, 0.3373, 0.3369

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.



46.9229, 0.3336, 0.3445



46.9229, 0.2913, 0.3210



46.9229, 0.3297, 0.3266

Square

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



46.9229, 0.2913, 0.3210



46.9229, 0.3088, 0.3115



46.9229, 0.3346, 0.3364



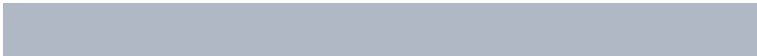
46.9229, 0.3164, 0.3473

Rectangle

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



46.9229, 0.2913, 0.3210



46.9229, 0.2960, 0.3105



46.9229, 0.3346, 0.3364



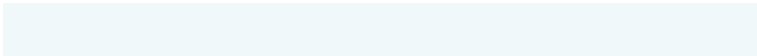
46.9229, 0.3296, 0.3477

Sweetspot

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



46.9248, 0.2913, 0.3210



92.3507, 0.3065, 0.3268



48.6203, 0.3067, 0.3577



19.6883, 0.3053, 0.3264



97.7402, 0.3127, 0.3290



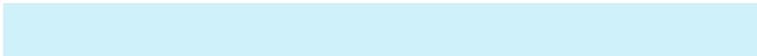
20.4902, 0.3127, 0.3290

Same Dimension

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



46.9248, 0.2913, 0.3210



82.8491, 0.2865, 0.3190



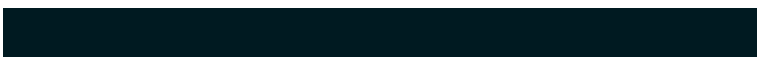
41.5380, 0.2907, 0.3027



11.0390, 0.2984, 0.3238



17.2751, 0.2048, 0.2571



0.8420, 0.2097, 0.2749

Inverse Universe

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



41.6438, 0.3195, 0.3020



71.4558, 0.3212, 0.2957



48.3363, 0.3349, 0.3540



10.2082, 0.3171, 0.3112



9.0262, 0.3853, 0.1896



0.3996, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 46.9229, 0.2913, 0.3210 looks on a white background.

Color Contrast Check

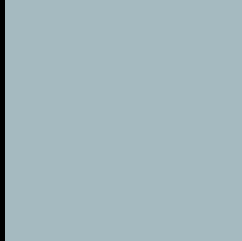
Large Text (above 18pt) WCAG AA × Fail

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 46.9229, 0.2913, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

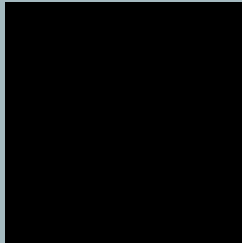
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

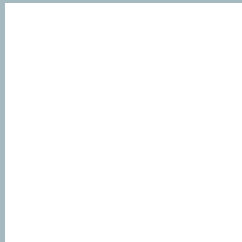
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9229, 0.2913, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 46.9229, 0.2913, 0.3210.



This preview shows how white text looks on a background with the Yxy color 46.9229, 0.2913, 0.3210.

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

46.9229, 0.2913, 0.3210

Protanopia

46.7891, 0.3081, 0.3187

Deuteranopia

46.8087, 0.3137, 0.3078



Tritanopia

46.9750, 0.2864, 0.3093

Trichromacy



Original Color

46.9229, 0.2913, 0.3210

Protanomaly

46.8148, 0.3015, 0.3198

Deuteranomaly

46.5601, 0.3050, 0.3123

Tritanomaly

46.8361, 0.2885, 0.3131

Monochromacy



Original Color

46.9229, 0.2913, 0.3210

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0305, 0.3053, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9229, 0.2913, 0.3210 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(165, 186, 192)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 192)  
}
```

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(165, 186, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 192) }
```

Border

The CSS property to change the border of an element to Yxy 46.9229, 0.2913, 0.3210 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(165, 186, 192) }
```

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

```
.border{ border-color:rgb(165, 186, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 186, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 186, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 186, 192);  
box-shadow:4px 4px 4px 4px rgb(165, 186,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9229, 0.2913, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 192) }
```

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

```
.background{ background-color: rgb(165,  
186, 192) }
```

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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