

Converting Colors

$Yxy(49.5965, 0.2820, 0.3058)$

Have a look what the booklet for
Yxy(49.5965, 0.2820, 0.3058)
contains.

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Color

Yxy(49.5965, 0.2820, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	A7BED0
RGB	167, 190, 208
RGB Percent	65%, 75%, 82%
CMY	0.3451, 0.2549, 0.1842
CMYK	0.20, 0.09, 0.00, 0.18
HSL	206°, 30%, 74%
HSV	206°, 20%, 82%
XYZ	45.7365, 49.5965, 66.8531
YIQ	185.1750, -19.4860, 0.7220

Conversions

Conversions Part 2

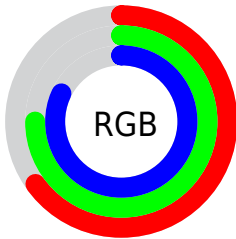
Format	Color
R _{YB}	167, 182, 208
Decimal	10993360
CIE _{Lab}	75.82, -3.97, -11.68
CIE _{LCh}	76, 12.331, 251.232
Yxy	49.5965, 0.2820, 0.3058
Android (android.graphics.Color)	4289183440 (0xFFA7BED0)
YUV	185.1750, 11.2527, -15.9395
Hunter-Lab	70.4248, -7.3188, -6.9857

Details

The Yxy color **49.5965, 0.2820, 0.3058** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9096, 0.3473, 0.3511**, and the grayscale version is **48.5638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8195, 0.2932, 0.3198**, and **23.8018, 0.2730, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **43.6769, 0.2661, 0.2922**, and if you desaturate by 10%, it is **56.1328, 0.2978, 0.3182**.

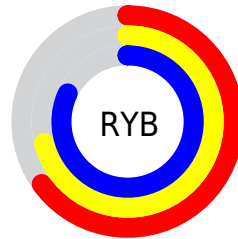
Distribution



Red (65%)

Green (75%)

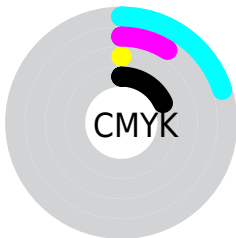
Blue (82%)



Red (65%)

Yellow (71%)

Blue (82%)

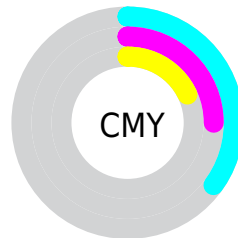


Cyan (20%)

Magenta (9%)

Yellow (0%)

Black (18%)



Cyan (35%)

Magenta (25%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5965, 0.2820, 0.3058 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 49.5965, 0.2820, 0.3058 by changing the saturation by 10% instead.

■ 49.5965, 0.2820,
0.3058

■ 49.5965, 0.2820,
0.3058

■ 385.0859, 0.2971,
0.3173

■ 35.0929, 0.2783,
0.3029

■ 89.5767, 0.2874,
0.3100

■ 23.7344, 0.2737,
0.2993

■ 115.8222, 0.2895,
0.3115

■ 15.1367, 0.2676,
0.2945

■ 146.7503, 0.2912,
0.3129

■ 8.9154, 0.2592,
0.2878

■ 182.7456, 0.2927,
0.3140

■ 4.6861, 0.2472,
0.2780

■ 224.1924, 0.2940,
0.3150

■ 2.0643, 0.2283,
0.2623

■ 271.4751, 0.2951,

■ 0.6444, 0.1848,

0.3159

0.2309

324.9782, 0.2962,
0.3167

0.0000, 0.0000,
0.0000

49.5965, 0.2820,
0.3058

49.5965, 0.2820,
0.3058

43.6769, 0.2661,
0.2922

56.1328, 0.2978,
0.3182

38.3459, 0.2504,
0.2774

63.3004, 0.3131,
0.3293

33.5823, 0.2352,
0.2616

71.1207, 0.3279,
0.3392

29.3606, 0.2211,
0.2451

79.6125, 0.3420,
0.3480

25.6529, 0.2085,
0.2280

85.6295, 0.3438,
0.3567

■ 22.4282, 0.1978,
0.2108

■ 91.0179, 0.3423,
0.3655

■ 19.6500, 0.1893,
0.1940

■ 96.6792, 0.3407,
0.3741

■ 17.2581, 0.1828,
0.1778

■ 97.3354, 0.3406,
0.3750

■ 17.1956, 0.1826,
0.1773

Harmonies

Analogous

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



49.5965, 0.2810, 0.3174



49.5965, 0.2820, 0.3058



49.5965, 0.2910, 0.3007

Triad

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



49.5965, 0.2820, 0.3058



49.5965, 0.3377, 0.3246



49.5965, 0.3188, 0.3569

Complementary

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



49.5965, 0.2820, 0.3058



50.9096, 0.3473, 0.3511

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.



49.5965, 0.3344, 0.3583



49.5965, 0.2820, 0.3058



49.5965, 0.3456, 0.3392

Square

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



49.5965, 0.2820, 0.3058



49.5965, 0.3231, 0.3115



49.5965, 0.3443, 0.3515



49.5965, 0.3019, 0.3475

Rectangle

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



49.5965, 0.2820, 0.3058



49.5965, 0.3005, 0.3013



49.5965, 0.3443, 0.3515



49.5965, 0.3244, 0.3583

Sweetspot

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



49.5985, 0.2820, 0.3058



92.9994, 0.3034, 0.3224



56.8329, 0.2983, 0.3590



19.7474, 0.3024, 0.3216



0.0000, 0.0000, 0.0000



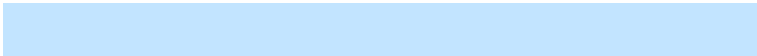
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5985, 0.2820, 0.3058



74.2138, 0.2747, 0.2998



41.4193, 0.2803, 0.2788



12.5016, 0.2983, 0.3185



10.9098, 0.1832, 0.1796



0.7666, 0.1916, 0.2096

Inverse Universe

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



44.7675, 0.3305, 0.3011



65.3625, 0.3356, 0.2944



60.0055, 0.3428, 0.3747



11.9177, 0.3204, 0.3160



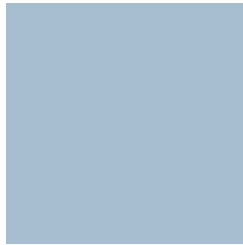
9.1726, 0.4690, 0.2358



0.5287, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 49.5965, 0.2820, 0.3058 looks on a white background.

Color Contrast Check

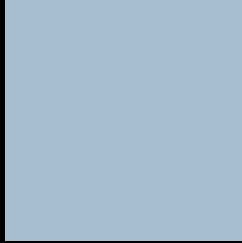
Large Text (above 18pt) WCAG AA × Fail

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 49.5965, 0.2820, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

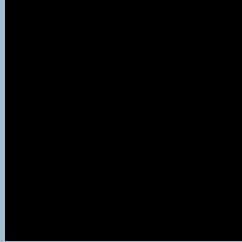
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

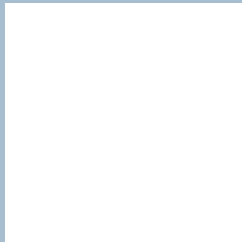
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5965, 0.2820, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 49.5965, 0.2820, 0.3058.



This preview shows how white text looks on a background with the Yxy color 49.5965, 0.2820, 0.3058.

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

49.5965, 0.2820, 0.3058

Protanopia

49.2960, 0.2968, 0.3040

Deuteranopia

49.5784, 0.3011, 0.2950



Tritanopia

49.4986, 0.2834, 0.3083

Trichromacy



Original Color

49.5965, 0.2820, 0.3058

Protanomaly

49.4619, 0.2915, 0.3050

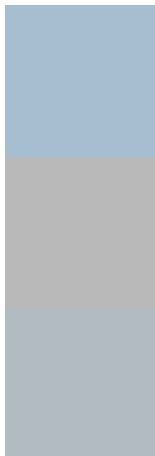
Deuteranomaly

49.4917, 0.2939, 0.2992

Tritanomaly

49.5474, 0.2827, 0.3071

Monochromacy



Original Color

49.5965, 0.2820, 0.3058

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.8559, 0.3009, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5965, 0.2820, 0.3058 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(167, 190, 208)` looks like.

```
.text, #text, p{  
    color:rgb(167, 190, 208)  
}
```

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(167, 190, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 190, 208) }
```

Border

The CSS property to change the border of an element to Yxy 49.5965, 0.2820, 0.3058 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(167, 190, 208) }
```

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

```
.border{ border-color:rgb(167, 190, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 190, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 190, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 190, 208);  
box-shadow:4px 4px 4px 4px rgb(167, 190,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5965, 0.2820, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 190, 208) }
```

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

```
.background{ background-color: rgb(167,  
190, 208) }
```

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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