

Converting Colors

$Yxy(48.9563, 0.2908, 0.3203)$

Have a look what the booklet for
Yxy(48.9563, 0.2908, 0.3203)
contains.

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Color

Yxy(49.1373, 0.2910, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	A8BEC4
RGB	168, 190, 196
RGB Percent	66%, 75%, 77%
CMY	0.3410, 0.2549, 0.2314
CMYK	0.14, 0.03, 0.00, 0.23
HSL	193°, 19%, 71%
HSV	193°, 14%, 77%
XYZ	44.5312, 49.1373, 59.3596
YIQ	184.1060, -15.0380, -2.7980

Conversions

Conversions Part 2

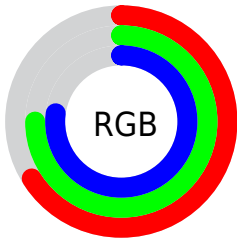
Format	Color
R _Y B	168, 180, 196
Decimal	11058884
CIE Lab	75.54, -6.21, -5.56
CIE LCh	76, 8.340, 221.823
Yxy	49.1373, 0.2910, 0.3211
Android (android.graphics.Color)	4289248964 (0xFFA8BEC4)
YUV	184.1060, 5.8637, -14.1250
Hunter-Lab	70.0980, -9.2758, -1.1387

Details

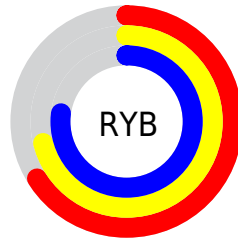
The Yxy color **49.1373, 0.2910, 0.3211** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8517, 0.3377, 0.3368**, and the grayscale version is **47.9718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6914, 0.2943, 0.3218**, and **23.5573, 0.2857, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **45.3508, 0.2762, 0.3149**, and if you desaturate by 10%, it is **53.3048, 0.3062, 0.3268**.

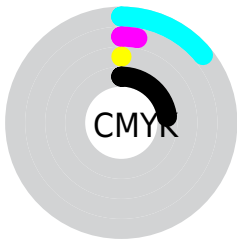
Distribution



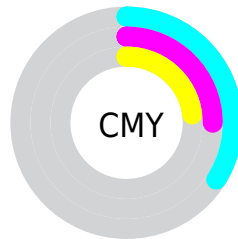
- Red (66%)
- Green (75%)
- Blue (77%)



- Red (66%)
- Yellow (71%)
- Blue (77%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)



- Cyan (34%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1373, 0.2910, 0.3211 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 49.1373, 0.2910, 0.3211 by changing the saturation by 10% instead.

■ 49.1373, 0.2910,
0.3211

■ 49.1373, 0.2910,
0.3211

■ 383.2826, 0.3017,
0.3251

■ 34.7284, 0.2884,
0.3201

■ 88.8953, 0.2949,
0.3226

■ 23.4537, 0.2850,
0.3188

■ 115.0133, 0.2963,
0.3231

■ 14.9289, 0.2806,
0.3170

■ 145.8030, 0.2975,
0.3236

■ 8.7695, 0.2746,
0.3145

■ 181.6490, 0.2986,
0.3240

■ 4.5911, 0.2657,
0.3108

■ 222.9355, 0.2995,
0.3243

■ 2.0094, 0.2515,
0.3045

■ 270.0470, 0.3003,

■ 0.6129, 0.2049,

0.3246

0.2915

323.3679, 0.3011,
0.3249

0.0000, 0.0000,
0.0000

49.1373, 0.2910,
0.3211

49.1373, 0.2910,
0.3211

45.3508, 0.2762,
0.3149

53.3048, 0.3062,
0.3268

41.9242, 0.2620,
0.3083

57.8611, 0.3215,
0.3319

38.8435, 0.2489,
0.3012

62.8215, 0.3366,
0.3365

36.0916, 0.2370,
0.2937

68.1985, 0.3515,
0.3405

33.6492, 0.2267,
0.2861

71.8503, 0.3573,
0.3446

■ 31.4950, 0.2183,
0.2782

■ 73.9688, 0.3564,
0.3488

■ 29.6044, 0.2118,
0.2703

■ 76.1425, 0.3554,
0.3530

■ 27.9478, 0.2071,
0.2625

■ 78.3717, 0.3545,
0.3572

■ 27.0709, 0.2050,
0.2581

■ 80.6569, 0.3535,
0.3614

Harmonies

Analogous

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



49.1373, 0.2959, 0.3314



49.1373, 0.2910, 0.3211



49.1373, 0.2918, 0.3132

Triad

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



49.1373, 0.2910, 0.3211



49.1373, 0.3200, 0.3172



49.1373, 0.3273, 0.3488

Complementary

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



49.1373, 0.2910, 0.3211



44.8517, 0.3377, 0.3368

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.



49.1373, 0.3340, 0.3446



49.1373, 0.2910, 0.3211



49.1373, 0.3298, 0.3263

Square

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



49.1373, 0.2910, 0.3211



49.1373, 0.3084, 0.3112



49.1373, 0.3350, 0.3363



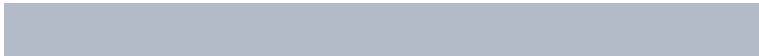
49.1373, 0.3167, 0.3477

Rectangle

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



49.1373, 0.2910, 0.3211



49.1373, 0.2955, 0.3103



49.1373, 0.3350, 0.3363



49.1373, 0.3301, 0.3480

Sweetspot

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



49.1393, 0.2910, 0.3211



96.7274, 0.3065, 0.3269



50.8493, 0.3069, 0.3588



20.5747, 0.3053, 0.3265



0.0000, 0.0000, 0.0000



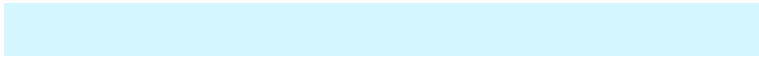
21.4041, 0.3127, 0.3290

Same Dimension

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



49.1393, 0.2910, 0.3211



86.8906, 0.2865, 0.3193



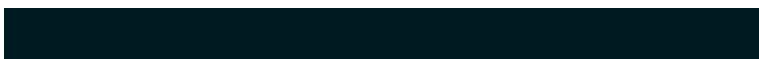
43.5325, 0.2904, 0.3030



11.0496, 0.2984, 0.3239



17.5243, 0.2053, 0.2592



0.8509, 0.2101, 0.2765

Inverse Universe

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



43.4724, 0.3194, 0.3014



74.8072, 0.3210, 0.2955



50.3639, 0.3353, 0.3538



10.2093, 0.3170, 0.3111



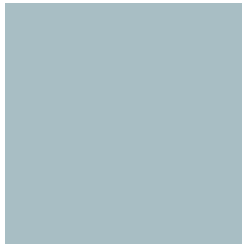
9.0513, 0.3832, 0.1885



0.4005, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 49.1373, 0.2910, 0.3211 looks on a white background.

Color Contrast Check

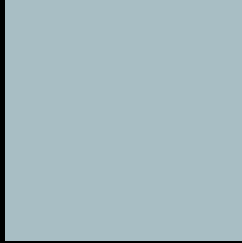
Large Text (above 18pt) WCAG AA × Fail

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 49.1373, 0.2910, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

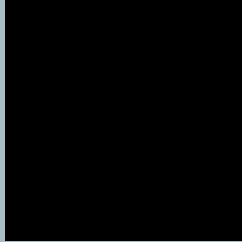
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

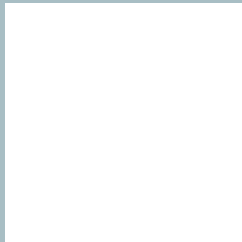
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1373, 0.2910, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 49.1373, 0.2910, 0.3211.



This preview shows how white text looks on a background with the Yxy color 49.1373, 0.2910, 0.3211.

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

49.1373, 0.2910, 0.3211

Protanopia

49.1130, 0.3082, 0.3189

Deuteranopia

48.7255, 0.3138, 0.3070



Tritanopia

49.1898, 0.2861, 0.3096

Trichromacy



Original Color

49.1373, 0.2910, 0.3211

Protanomaly

49.1390, 0.3017, 0.3200

Deuteranomaly

48.8770, 0.3052, 0.3126

Tritanomaly

49.0473, 0.2882, 0.3134

Monochromacy



Original Color

49.1373, 0.2910, 0.3211

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2136, 0.3046, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1373, 0.2910, 0.3211 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, 190, 196)` looks like.

```
.text, #text, p{  
    color:rgb(168, 190, 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(168, 190, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 190, 196) }
```

Border

The CSS property to change the border of an element to Yxy 49.1373, 0.2910, 0.3211 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, 190, 196) }
```

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

```
.border{ border-color:rgb(168, 190, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 190, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 190, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 190, 196);  
box-shadow:4px 4px 4px 4px rgb(168, 190,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1373, 0.2910, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 190, 196) }
```

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

```
.background{ background-color: rgb(168,  
190, 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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