

Converting Colors

$Y_{xy}(48.9278, 0.2929, 0.3234)$

Have a look what the booklet for
Yxy(48.9278, 0.2929, 0.3234)
contains.

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Color

Yxy(49.1570, 0.2931, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	A9BEC2
RGB	169, 190, 194
RGB Percent	66%, 75%, 76%
CMY	0.3374, 0.2549, 0.2391
CMYK	0.13, 0.02, 0.00, 0.24
HSL	190°, 17%, 71%
HSV	190°, 13%, 76%
XYZ	44.5101, 49.1570, 58.1927
YIQ	184.1770, -13.8000, -3.2080

Conversions

Conversions Part 2

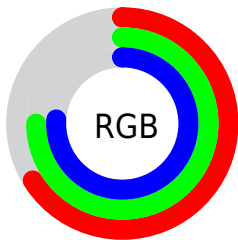
Format	Color
R _Y B	169, 180, 194
Decimal	11124418
CIE Lab	75.55, -6.33, -4.46
CIE LCh	76, 7.744, 215.187
Yxy	49.1570, 0.2931, 0.3237
Android (android.graphics.Color)	4289314498 (0xFFA9BEC2)
YUV	184.1770, 4.8427, -13.3102
Hunter-Lab	70.1121, -9.3768, -0.1320

Details

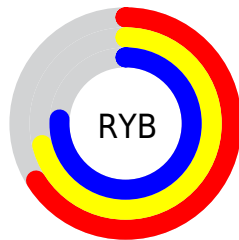
The Yxy color $49.1570, 0.2931, 0.3237$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $44.2156, 0.3353, 0.3342$, and the grayscale version is $48.0131, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.6610, 0.2966, 0.3249$, and $23.5667, 0.2885, 0.3236$ is the 20% darker color. If you saturate the color by 10%, you get $45.8390, 0.2784, 0.3192$, and if you desaturate by 10%, it is $52.8262, 0.3083, 0.3279$.

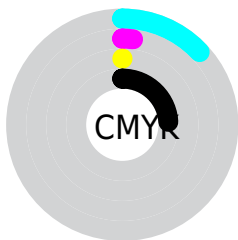
Distribution



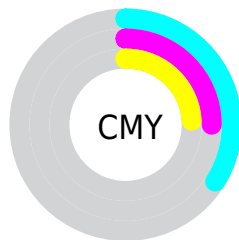
- Red (66%)
- Green (75%)
- Blue (76%)



- Red (66%)
- Yellow (71%)
- Blue (76%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)





- Cyan (34%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1570, 0.2931, 0.3237 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 49.1570, 0.2931, 0.3237 by changing the saturation by 10% instead.

 49.1570, 0.2931,
0.3237


 49.1570, 0.2931,
0.3237

383.3601, 0.3028,
0.3264

 34.7440, 0.2907,
0.3230


 88.9246, 0.2966,
0.3247

 23.4658, 0.2877,
0.3221

 115.0480, 0.2979,
0.3251

 14.9378, 0.2837,
0.3209


145.8437, 0.2990,
0.3254

 8.7757, 0.2782,
0.3192

181.6961, 0.3000,
0.3256

 4.5952, 0.2701,
0.3166

222.9895, 0.3008,
0.3259

 2.0118, 0.2572,
0.3122

270.1084, 0.3015,

 0.6143, 0.2121,

0.3261

0.3034

323.4371, 0.3022,
0.3263

0.0000, 0.0000,
0.0000

49.1570, 0.2931,
0.3237

49.1570, 0.2931,
0.3237

45.8390, 0.2784,
0.3192

52.8262, 0.3083,
0.3279

42.8518, 0.2646,
0.3143

56.8537, 0.3236,
0.3316

40.1824, 0.2518,
0.3091

61.2542, 0.3390,
0.3350

37.8143, 0.2404,
0.3037

66.0395, 0.3541,
0.3380

35.7294, 0.2306,
0.2981

69.0784, 0.3601,
0.3410

■ 33.9074, 0.2226,
0.2924

■ 70.5845, 0.3594,
0.3442

■ 32.3253, 0.2166,
0.2867

■ 72.1204, 0.3586,
0.3474

■ 30.9551, 0.2124,
0.2810

■ 73.6862, 0.3579,
0.3505

■ 30.0750, 0.2103,
0.2770

■ 75.2819, 0.3572,
0.3536

Harmonies

Analogous

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



49.1570, 0.2987, 0.3334



49.1570, 0.2931, 0.3237



49.1570, 0.2927, 0.3157

Triad

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



49.1570, 0.2931, 0.3237



49.1570, 0.3172, 0.3165



49.1570, 0.3280, 0.3469

Complementary

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



49.1570, 0.2931, 0.3237



44.2156, 0.3353, 0.3342

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.



49.1570, 0.3332, 0.3420



49.1570, 0.2931, 0.3237



49.1570, 0.3269, 0.3245

Square

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



49.1570, 0.2931, 0.3237



49.1570, 0.3064, 0.3117



49.1570, 0.3328, 0.3338



49.1570, 0.3188, 0.3470

Rectangle

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



49.1570, 0.2931, 0.3237



49.1570, 0.2954, 0.3123



49.1570, 0.3328, 0.3338



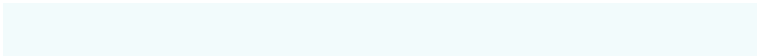
49.1570, 0.3303, 0.3458

Sweetspot

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



49.1590, 0.2931, 0.3237



94.8867, 0.3065, 0.3274



50.0312, 0.3084, 0.3574



20.6640, 0.3053, 0.3271



0.0000, 0.0000, 0.0000



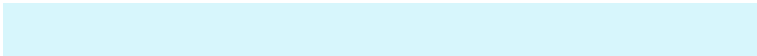
21.4041, 0.3127, 0.3290

Same Dimension

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



49.1590, 0.2931, 0.3237



87.5881, 0.2896, 0.3227



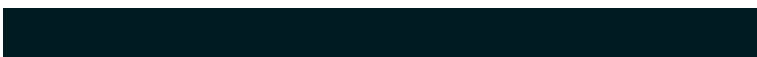
44.0645, 0.2927, 0.3073



11.1449, 0.2984, 0.3252



19.8690, 0.2105, 0.2778



0.9337, 0.2140, 0.2904

Inverse Universe

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



43.5553, 0.3176, 0.3025



75.8457, 0.3185, 0.2975



49.1395, 0.3332, 0.3498



10.2189, 0.3161, 0.3099



9.2880, 0.3655, 0.1787



0.4089, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 49.1570, 0.2931, 0.3237 looks on a white background.

Color Contrast Check

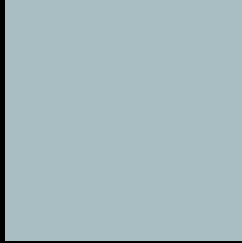
Large Text (above 18pt) WCAG AA × Fail

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 49.1570, 0.2931, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

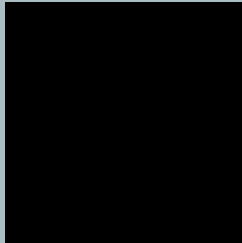
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

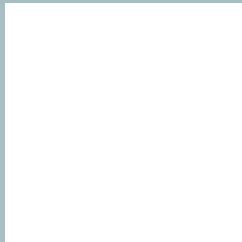
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1570, 0.2931, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 49.1570, 0.2931, 0.3237.



This preview shows how white text looks on a background with the Yxy color 49.1570, 0.2931, 0.3237.

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

49.1570, 0.2931, 0.3237

Protanopia

49.1509, 0.3106, 0.3214

Deuteranopia

48.7702, 0.3162, 0.3094



Tritanopia

49.4128, 0.2876, 0.3097

Trichromacy



Original Color

49.1570, 0.2931, 0.3237

Protanomaly

49.1702, 0.3040, 0.3226

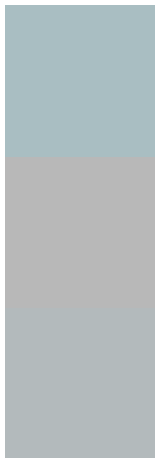
Deuteranomaly

48.9125, 0.3075, 0.3152

Tritanomaly

49.1114, 0.2896, 0.3147

Monochromacy



Original Color

49.1570, 0.2931, 0.3237

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.3324, 0.3054, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1570, 0.2931, 0.3237 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(169, 190, 194)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 194)  
}
```

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(169, 190, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 194) }
```

Border

The CSS property to change the border of an element to Yxy 49.1570, 0.2931, 0.3237 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(169, 190, 194) }
```

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

```
.border{ border-color:rgb(169, 190, 194) }
```

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

Here you see how a box with a 4 pixel rgb(169, 190, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 194);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1570, 0.2931, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 194) }
```

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

```
.background{ background-color: rgb(169,  
190, 194) }
```

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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