

Converting Colors

$Y_{xy}(50.1307, 0.2912, 0.3191)$

Have a look what the booklet for
Yxy(50.1307, 0.2912, 0.3191)
contains.

Yxy(50.0431, 0.2912, 0.3186)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.0431, 0.2912, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	ABBFC7
RGB	171, 191, 199
RGB Percent	67%, 75%, 78%
CMY	0.3293, 0.2510, 0.2196
CMYK	0.14, 0.04, 0.00, 0.22
HSL	197°, 20%, 73%
HSV	197°, 14%, 78%
XYZ	45.7393, 50.0431, 61.2894
YIQ	185.9320, -14.4880, -1.7520

Conversions

Conversions Part 2

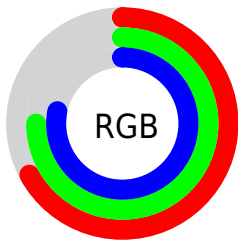
Format	Color
R_YB	171, 183, 199
Decimal	11255751
CIE Lab	76.10, -5.14, -6.35
CIE LCh	76, 8.171, 230.987
Yxy	50.0431, 0.2912, 0.3186
Android (android.graphics.Color)	4289445831 (0xFFABBFC7)
YUV	185.9320, 6.4425, -13.0954
Hunter-Lab	70.7411, -8.3837, -1.8495

Details

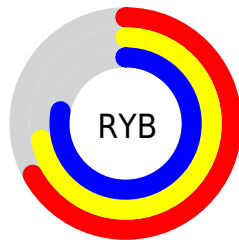
The Yxy color **50.0431, 0.2912, 0.3186** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.3431, 0.3370, 0.3392**, and the grayscale version is **49.0358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0724, 0.2957, 0.3209**, and **24.1432, 0.2860, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **45.5371, 0.2760, 0.3103**, and if you desaturate by 10%, it is **54.9865, 0.3065, 0.3261**.

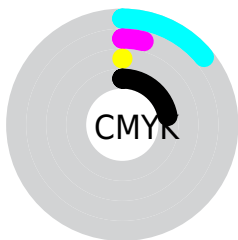
Distribution



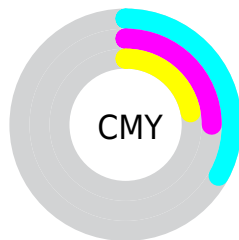
- Red (67%)
- Green (75%)
- Blue (78%)



- Red (67%)
- Yellow (72%)
- Blue (78%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0431, 0.2912, 0.3186 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 50.0431, 0.2912, 0.3186 by changing the saturation by 10% instead.

■ 50.0431, 0.2912,
0.3186

■ 50.0431, 0.2912,
0.3186

386.8345, 0.3018,
0.3238

■ 35.4476, 0.2886,
0.3173

■ 90.2387, 0.2950,
0.3205

■ 24.0079, 0.2853,
0.3156

116.6077, 0.2964,
0.3212

■ 15.3395, 0.2810,
0.3134

147.6700, 0.2977,
0.3218

■ 9.0580, 0.2751,
0.3103

183.8099, 0.2987,
0.3223

■ 4.7790, 0.2665,
0.3056

225.4119, 0.2996,
0.3228

■ 2.1182, 0.2527,
0.2979

272.8604, 0.3004,

■ 0.6748, 0.2162,

0.3232

0.2829

326.5398, 0.3011,
0.3235

0.0000, 0.0000,
0.0000

50.0431, 0.2912,
0.3186

50.0431, 0.2912,
0.3186

45.5371, 0.2760,
0.3103

54.9865, 0.3065,
0.3261

41.4463, 0.2613,
0.3013

60.3763, 0.3217,
0.3330

37.7555, 0.2474,
0.2917

66.2288, 0.3366,
0.3390

34.4460, 0.2347,
0.2816

72.5577, 0.3511,
0.3444

31.4975, 0.2233,
0.2711

76.3098, 0.3532,
0.3500

■ 28.8870, 0.2138,
0.2603

■ 79.3447, 0.3520,
0.3557

■ 26.5885, 0.2062,
0.2495

■ 82.4827, 0.3508,
0.3613

■ 24.5705, 0.2006,
0.2388

■ 85.7246, 0.3496,
0.3668

■ 23.4711, 0.1979,
0.2324

■ 89.0713, 0.3485,
0.3722

Harmonies

Analogous

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



50.0431, 0.2943, 0.3282



50.0431, 0.2912, 0.3186



50.0431, 0.2937, 0.3120

Triad

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



50.0431, 0.2912, 0.3186



50.0431, 0.3231, 0.3200



50.0431, 0.3240, 0.3486

Complementary

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



50.0431, 0.2912, 0.3186



47.3431, 0.3370, 0.3392

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.



50.0431, 0.3320, 0.3459



50.0431, 0.2912, 0.3186



50.0431, 0.3315, 0.3294

Square

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



50.0431, 0.2912, 0.3186



50.0431, 0.3120, 0.3130



50.0431, 0.3347, 0.3388



50.0431, 0.3131, 0.3458

Rectangle

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



50.0431, 0.2912, 0.3186



50.0431, 0.2983, 0.3102



50.0431, 0.3347, 0.3388



50.0431, 0.3271, 0.3483

Sweetspot

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



50.0452, 0.2912, 0.3186



96.2663, 0.3065, 0.3262



52.7673, 0.3054, 0.3552



20.4578, 0.3054, 0.3256



0.0000, 0.0000, 0.0000



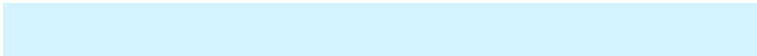
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0452, 0.2912, 0.3186



85.0161, 0.2863, 0.3160



44.2649, 0.2906, 0.3002



11.5342, 0.2984, 0.3222



15.2459, 0.1983, 0.2339



0.8412, 0.2045, 0.2561

Inverse Universe

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



45.0411, 0.3210, 0.3042



74.6180, 0.3232, 0.2984



53.2033, 0.3346, 0.3562



10.7628, 0.3181, 0.3127



9.0791, 0.4086, 0.2024



0.4419, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 50.0431, 0.2912, 0.3186 looks on a white background.

Color Contrast Check

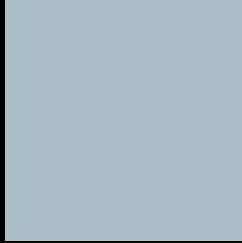
Large Text (above 18pt) WCAG AA × Fail

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 50.0431, 0.2912, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

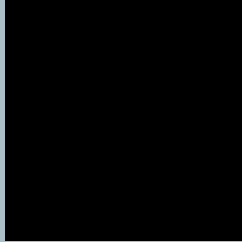
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

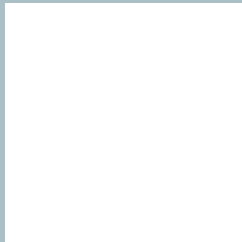
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0431, 0.2912, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 50.0431, 0.2912, 0.3186.



This preview shows how white text looks on a background with the Yxy color 50.0431, 0.2912, 0.3186.

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

50.0431, 0.2912, 0.3186

Protanopia

49.7947, 0.3067, 0.3165

Deuteranopia

49.8151, 0.3121, 0.3059



Tritanopia

50.0053, 0.2877, 0.3098

Trichromacy



Original Color

50.0431, 0.2912, 0.3186

Protanomaly

49.9427, 0.3011, 0.3176

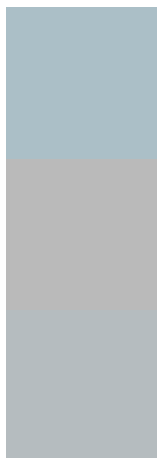
Deuteranomaly

49.6869, 0.3045, 0.3103

Tritanomaly

49.9094, 0.2891, 0.3123

Monochromacy



Original Color

50.0431, 0.2912, 0.3186

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.5518, 0.3047, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0431, 0.2912, 0.3186 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(171, 191, 199)` looks like.

```
.text, #text, p{  
    color:rgb(171, 191, 199)  
}
```

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(171, 191, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 191, 199) }
```

Border

The CSS property to change the border of an element to Yxy 50.0431, 0.2912, 0.3186 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(171, 191, 199) }
```

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

```
.border{ border-color:rgb(171, 191, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 191, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 191, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 191, 199);  
box-shadow:4px 4px 4px 4px rgb(171, 191,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0431, 0.2912, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 191, 199) }
```

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

```
.background{ background-color: rgb(171,  
191, 199) }
```

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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