

Converting Colors

$Y_{xy}(50.5133, 0.2888, 0.3027)$

Have a look what the booklet for
Yxy(50.5133, 0.2888, 0.3027)
contains.

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Color

Yxy(50.5133, 0.2888, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	B2BDD2
RGB	178, 189, 210
RGB Percent	70%, 74%, 82%
CMY	0.3018, 0.2588, 0.1765
CMYK	0.15, 0.10, 0.00, 0.18
HSL	219°, 26%, 76%
HSV	219°, 15%, 82%
XYZ	48.1937, 50.5133, 68.1688
YIQ	188.1050, -13.2970, 4.1990

Conversions

Conversions Part 2

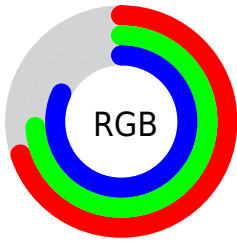
Format	Color
R _Y B	178, 186, 210
Decimal	11714002
CIE Lab	76.38, 0.50, -11.81
CIE LCh	76, 11.825, 272.440
Yxy	50.5133, 0.2888, 0.3027
Android (android.graphics.Color)	4289904082 (0xFFB2BDD2)
YUV	188.1050, 10.7942, -8.8621
Hunter-Lab	71.0727, -3.3381, -7.1166

Details

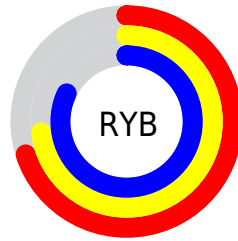
The Yxy color `50.5133, 0.2888, 0.3027` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `57.7681, 0.3373, 0.3540`, and the grayscale version is `50.2986, 0.3127, 0.3290`.

A 20% lighter version of the original color is `90.0172, 0.2999, 0.3190`, and `24.3686, 0.2818, 0.2952` is the 20% darker color. If you saturate the color by 10%, you get `42.5644, 0.2718, 0.2828`, and if you desaturate by 10%, it is `59.4108, 0.3048, 0.3205`.

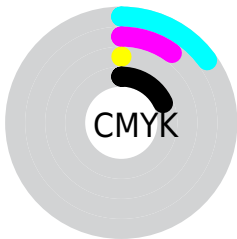
Distribution



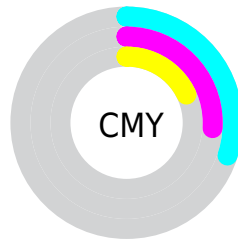
- Red (70%)
- Green (74%)
- Blue (82%)



- Red (70%)
- Yellow (73%)
- Blue (82%)



- Cyan (15%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (30%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5133, 0.2888, 0.3027 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 50.5133, 0.2888, 0.3027 by changing the saturation by 10% instead.

■ 50.5133, 0.2888,
0.3027

■ 50.5133, 0.2888,
0.3027

■ 388.6699, 0.3005,
0.3156

■ 35.8214, 0.2859,
0.2996

■ 90.9349, 0.2930,
0.3073

■ 24.2963, 0.2823,
0.2956

■ 117.4335, 0.2946,
0.3091

■ 15.5536, 0.2775,
0.2903

■ 148.6364, 0.2960,
0.3106

■ 9.2088, 0.2710,
0.2832

■ 184.9280, 0.2971,
0.3119

■ 4.8776, 0.2615,
0.2728

■ 226.6928, 0.2982,
0.3130

■ 2.1756, 0.2465,
0.2566

■ 274.3151, 0.2991,

■ 0.7067, 0.2183,

0.3140

0.2255

328.1793, 0.2998,
0.3148

0.0000, 0.0000,
0.0000

50.5133, 0.2888,
0.3027

50.5133, 0.2888,
0.3027

42.5644, 0.2718,
0.2828

59.4108, 0.3048,
0.3205

35.5249, 0.2542,
0.2610

69.2818, 0.3197,
0.3363

29.3620, 0.2364,
0.2374

80.1580, 0.3334,
0.3502

24.0384, 0.2189,
0.2126

90.7110, 0.3411,
0.3629

19.5136, 0.2025,
0.1872

97.4321, 0.3394,
0.3731

■ 15.7435, 0.1879,
0.1623

■ 12.6786, 0.1759,
0.1389

■ 10.2615, 0.1671,
0.1180

■ 9.2959, 0.1636,
0.1090

Harmonies

Analogous

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



50.5133, 0.2823, 0.3096



50.5133, 0.2888, 0.3027



50.5133, 0.3017, 0.3027

Triad

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



50.5133, 0.2888, 0.3027



50.5133, 0.3427, 0.3347



50.5133, 0.3070, 0.3499

Complementary

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



50.5133, 0.2888, 0.3027



57.7681, 0.3373, 0.3540

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.



50.5133, 0.3232, 0.3568



50.5133, 0.2888, 0.3027



50.5133, 0.3441, 0.3475

Square

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



50.5133, 0.2888, 0.3027



50.5133, 0.3330, 0.3209



50.5133, 0.3369, 0.3558



50.5133, 0.2926, 0.3370

Rectangle

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



50.5133, 0.2888, 0.3027



50.5133, 0.3124, 0.3065



50.5133, 0.3369, 0.3558



50.5133, 0.3124, 0.3530

Sweetspot

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



50.5154, 0.2888, 0.3027



92.4346, 0.3050, 0.3208



59.6663, 0.2970, 0.3428



19.5639, 0.3039, 0.3196



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.



50.5154, 0.2888, 0.3027



74.5614, 0.2838, 0.2970



46.5520, 0.2921, 0.2890



12.0716, 0.2982, 0.3133



5.8408, 0.1644, 0.1117



0.4729, 0.1748, 0.1492

Inverse Universe

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



49.2267, 0.3317, 0.3159



72.3383, 0.3361, 0.3132



62.3048, 0.3316, 0.3669



11.8743, 0.3237, 0.3210



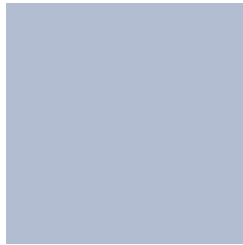
8.6609, 0.5586, 0.2851



0.4990, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 50.5133, 0.2888, 0.3027 looks on a white background.

Color Contrast Check

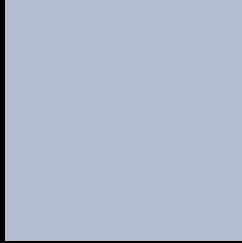
Large Text (above 18pt) WCAG AA × Fail

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 50.5133, 0.2888, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

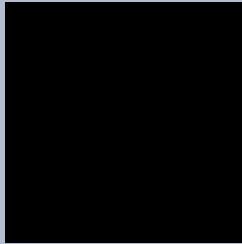
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

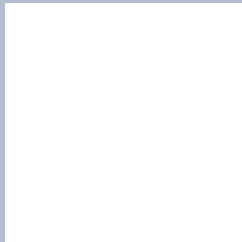
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5133, 0.2888, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 50.5133, 0.2888, 0.3027.



This preview shows how white text looks on a background with the Yxy color 50.5133, 0.2888, 0.3027.

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

50.5133, 0.2888, 0.3027

Protanopia

50.5832, 0.2955, 0.3018

Deuteranopia

50.3059, 0.3020, 0.2952



Tritanopia

50.5818, 0.2915, 0.3100

Trichromacy



Original Color

50.5133, 0.2888, 0.3027

Protanomaly

50.6372, 0.2932, 0.3029

Deuteranomaly

50.2199, 0.2964, 0.2972

Tritanomaly

50.6790, 0.2901, 0.3076

Monochromacy



Original Color

50.5133, 0.2888, 0.3027

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.1423, 0.3034, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5133, 0.2888, 0.3027 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(178, 189, 210)` looks like.

```
.text, #text, p{  
    color:rgb(178, 189, 210)  
}
```

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(178, 189, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 189, 210) }
```

Border

The CSS property to change the border of an element to Yxy 50.5133, 0.2888, 0.3027 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(178, 189, 210) }
```

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

```
.border{ border-color:rgb(178, 189, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 189, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 189, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 189, 210);  
box-shadow:4px 4px 4px 4px rgb(178, 189,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5133, 0.2888, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 189, 210) }
```

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

```
.background{ background-color: rgb(178,  
189, 210) }
```

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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