

Converting Colors

$Y_{xy}(50.9026, 0.2882, 0.2992)$

Have a look what the booklet for
Yxy(50.9026, 0.2882, 0.2992)
contains.

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Color

Yxy(50.9026, 0.2882, 0.2992)

Conversions

Conversions Part 1

Format	Color
Hex	B4BDD5
RGB	180, 189, 213
RGB Percent	71%, 74%, 84%
CMY	0.2941, 0.2588, 0.1647
CMYK	0.15, 0.11, 0.00, 0.16
HSL	224°, 28%, 77%
HSV	224°, 15%, 84%
XYZ	49.0312, 50.9026, 70.1952
YIQ	189.0450, -13.0680, 5.5560

Conversions

Conversions Part 2

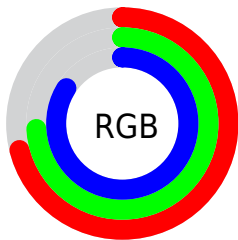
Format	Color
RYB	180, 187, 213
Decimal	11845077
CIELab	76.62, 1.78, -13.08
CIElCh	77, 13.205, 277.744
Yxy	50.9026, 0.2882, 0.2992
Android (android.graphics.Color)	4290035157 (0xFFB4BDD5)
YUV	189.0450, 11.8098, -7.9325
Hunter-Lab	71.3461, -2.1850, -8.3914

Details

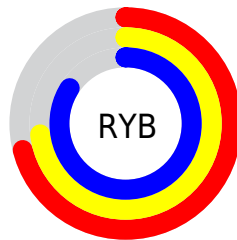
The Yxy color **50.9026, 0.2882, 0.2992** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.6321, 0.3374, 0.3571**, and the grayscale version is **50.8543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3577, 0.3012, 0.3191**, and **24.5890, 0.2819, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **42.2283, 0.2709, 0.2770**, and if you desaturate by 10%, it is **60.6860, 0.3044, 0.3191**.

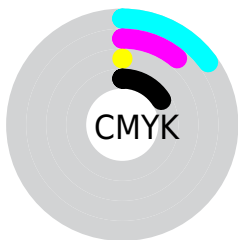
Distribution



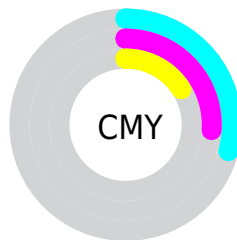
- Red (71%)
- Green (74%)
- Blue (84%)



- Red (71%)
- Yellow (73%)
- Blue (84%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9026, 0.2882, 0.2992 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 50.9026, 0.2882, 0.2992 by changing the saturation by 10% instead.

■ 50.9026, 0.2882,
0.2992

■ 50.9026, 0.2882,
0.2992

■ 390.1852, 0.3002,
0.3138

■ 36.1311, 0.2853,
0.2957

■ 91.5108, 0.2925,
0.3044

■ 24.5355, 0.2815,
0.2912

■ 118.1163, 0.2942,
0.3064

■ 15.7313, 0.2767,
0.2854

■ 149.4352, 0.2956,
0.3081

■ 9.3342, 0.2700,
0.2775

■ 185.8519, 0.2968,
0.3095

■ 4.9598, 0.2603,
0.2661

■ 227.7509, 0.2978,
0.3108

■ 2.2237, 0.2451,
0.2484

■ 275.5165, 0.2987,

■ 0.7329, 0.2179,

0.3119

0.2158

329.5332, 0.2995,
0.3129

0.0000, 0.0000,
0.0000

50.9026, 0.2882,
0.2992

50.9026, 0.2882,
0.2992

42.2283, 0.2709,
0.2770

60.6860, 0.3044,
0.3191

34.6166, 0.2526,
0.2526

71.6101, 0.3193,
0.3366

28.0270, 0.2340,
0.2263

83.7133, 0.3328,
0.3520

22.4137, 0.2156,
0.1988

95.0424, 0.3382,
0.3663

17.7275, 0.1983,
0.1712

97.5844, 0.3376,
0.3701

■ 13.9141, 0.1831,
0.1446

■ 10.9129, 0.1708,
0.1204

■ 8.6540, 0.1620,
0.1000

■ 7.8385, 0.1589,
0.0921

Harmonies

Analogous

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



50.9026, 0.2796, 0.3055



50.9026, 0.2882, 0.2992



50.9026, 0.3035, 0.3007

Triad

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



50.9026, 0.2882, 0.2992



50.9026, 0.3471, 0.3380



50.9026, 0.3032, 0.3502

Complementary

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



50.9026, 0.2882, 0.2992



60.6321, 0.3374, 0.3571

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.



50.9026, 0.3212, 0.3594



50.9026, 0.2882, 0.2992



50.9026, 0.3469, 0.3516

Square

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



50.9026, 0.2882, 0.2992



50.9026, 0.3378, 0.3226



50.9026, 0.3373, 0.3597



50.9026, 0.2881, 0.3349

Rectangle

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



50.9026, 0.2882, 0.2992



50.9026, 0.3156, 0.3056



50.9026, 0.3373, 0.3597



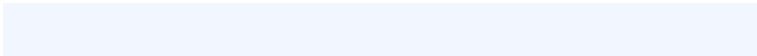
50.9026, 0.3091, 0.3541

Sweetspot

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



50.9047, 0.2882, 0.2992



91.8868, 0.3051, 0.3199



61.6387, 0.2953, 0.3403



19.4311, 0.3040, 0.3186



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.



50.9047, 0.2882, 0.2992



71.4815, 0.2819, 0.2913



48.0331, 0.2934, 0.2884



12.5542, 0.2982, 0.3115



4.9345, 0.1596, 0.0945



0.4356, 0.1691, 0.1289

Inverse Universe

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



50.4657, 0.3340, 0.3184



70.8225, 0.3402, 0.3157



63.9884, 0.3303, 0.3679



12.4759, 0.3249, 0.3227



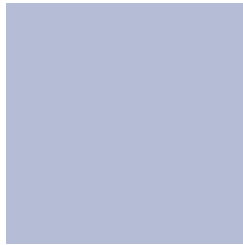
8.8430, 0.5843, 0.2992



0.5473, 0.5342, 0.2717

Previews

White Background



This preview shows how the Yxy color 50.9026, 0.2882, 0.2992 looks on a white background.

Color Contrast Check

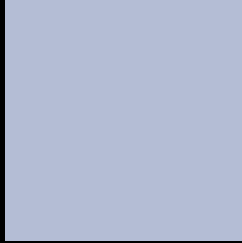
Large Text (above 18pt) WCAG AA × Fail

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 50.9026, 0.2882, 0.2992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

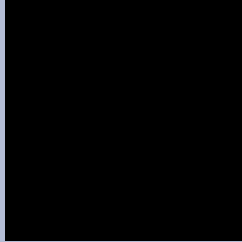
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

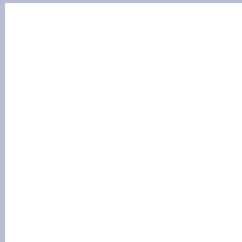
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9026, 0.2882, 0.2992

Background



This preview shows how black text looks on a background with the Yxy color 50.9026, 0.2882, 0.2992.



This preview shows how white text looks on a background with the Yxy color 50.9026, 0.2882, 0.2992.

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

50.9026, 0.2882, 0.2992

Protanopia

50.6084, 0.2926, 0.2982

Deuteranopia

50.7381, 0.2990, 0.2929



Tritanopia

50.8184, 0.2930, 0.3101

Trichromacy



Original Color

50.9026, 0.2882, 0.2992

Protanomaly

50.7872, 0.2911, 0.2993

Deuteranomaly

50.9200, 0.2951, 0.2950

Tritanomaly

50.9647, 0.2909, 0.3064

Monochromacy



Original Color

50.9026, 0.2882, 0.2992

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.9115, 0.3035, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9026, 0.2882, 0.2992 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(180, 189, 213)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 213)  
}
```

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(180, 189, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 213) }
```

Border

The CSS property to change the border of an element to Yxy 50.9026, 0.2882, 0.2992 is called "border". The border property can be set on classes, ids or directly on the HTML element.

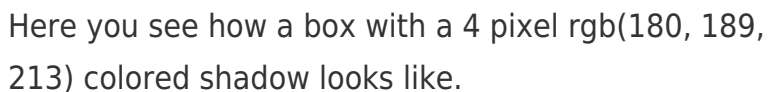
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 189, 213) }
```

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

```
.border{ border-color:rgb(180, 189, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 189, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 189, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 189, 213); box-shadow:4px 4px 4px 4px rgb(180, 189, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9026, 0.2882, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 213) }
```

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

```
.background{ background-color: rgb(180,  
189, 213) }
```

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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