

Converting Colors

$Y_{xy}(49.5400, 0.2962, 0.3089)$

Have a look what the booklet for
Yxy(49.5400, 0.2962, 0.3089)
contains.

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Color

Yxy(49.6762, 0.2959, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	B5BBCB
RGB	181, 187, 203
RGB Percent	71%, 73%, 80%
CMY	0.2903, 0.2666, 0.2038
CMYK	0.11, 0.08, 0.00, 0.20
HSL	224°, 18%, 75%
HSV	224°, 11%, 80%
XYZ	47.6010, 49.6762, 63.5913
YIQ	187.0300, -8.7120, 3.7040

Conversions

Conversions Part 2

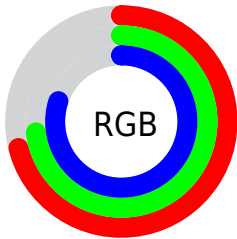
Format	Color
R _Y B	181, 186, 203
Decimal	11910091
CIE Lab	75.87, 1.07, -8.78
CIE LCh	76, 8.846, 276.975
Yxy	49.6762, 0.2959, 0.3088
Android (android.graphics.Color)	4290100171 (0xFFB5BBCB)
YUV	187.0300, 7.8732, -5.2883
Hunter-Lab	70.4813, -2.7888, -4.1571

Details

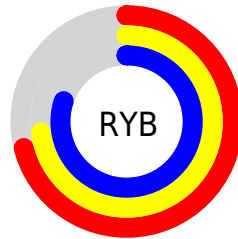
The Yxy color $49.6762, 0.2959, 0.3088$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.9531, 0.3296, 0.3484$, and the grayscale version is $49.6689, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.3257, 0.3018, 0.3171$, and $23.8093, 0.2912, 0.3034$ is the 20% darker color. If you saturate the color by 10%, you get $41.4662, 0.2791, 0.2878$, and if you desaturate by 10%, it is $58.8894, 0.3114, 0.3275$.

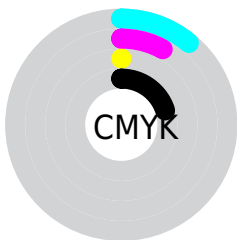
Distribution



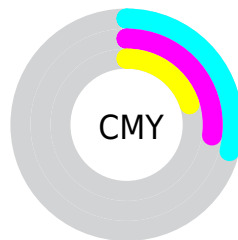
- Red (71%)
- Green (73%)
- Blue (80%)



- Red (71%)
- Yellow (73%)
- Blue (80%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6762, 0.2959, 0.3088 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 49.6762, 0.2959, 0.3088 by changing the saturation by 10% instead.

■ 49.6762, 0.2959,
0.3088

■ 49.6762, 0.2959,
0.3088

■ 385.3983, 0.3042,
0.3187

■ 35.1562, 0.2939,
0.3064

■ 89.6949, 0.2989,
0.3124

■ 23.7832, 0.2913,
0.3033

■ 115.9624, 0.3000,
0.3137

■ 15.1729, 0.2878,
0.2992

■ 146.9146, 0.3010,
0.3149

■ 8.9408, 0.2831,
0.2936

■ 182.9357, 0.3018,
0.3159

■ 4.7026, 0.2761,
0.2854

■ 224.4103, 0.3025,
0.3167

■ 2.0738, 0.2650,
0.2724

■ 271.7226, 0.3032,

■ 0.6499, 0.2420,

0.3175

0.2442

325.2572, 0.3037,
0.3182

0.0000, 0.0000,
0.0000

49.6762, 0.2959,
0.3088

49.6762, 0.2959,
0.3088

41.4662, 0.2791,
0.2878

58.8894, 0.3114,
0.3275

34.2185, 0.2613,
0.2645

69.1324, 0.3256,
0.3440

27.8985, 0.2429,
0.2392

80.4386, 0.3385,
0.3584

22.4670, 0.2244,
0.2123

91.4524, 0.3452,
0.3716

17.8819, 0.2065,
0.1848

97.0928, 0.3436,
0.3800

■ 14.0974, 0.1903,
0.1576

■ 11.0628, 0.1765,
0.1322

■ 8.7207, 0.1660,
0.1098

■ 7.1105, 0.1592,
0.0929

Harmonies

Analogous

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



49.6762, 0.2901, 0.3134



49.6762, 0.2959, 0.3088



49.6762, 0.3062, 0.3096

Triad

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



49.6762, 0.2959, 0.3088



49.6762, 0.3358, 0.3350



49.6762, 0.3067, 0.3434

Complementary

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



49.6762, 0.2959, 0.3088



55.9531, 0.3296, 0.3484

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.



49.6762, 0.3189, 0.3494



49.6762, 0.2959, 0.3088



49.6762, 0.3358, 0.3442

Square

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



49.6762, 0.2959, 0.3088



49.6762, 0.3294, 0.3245



49.6762, 0.3296, 0.3496



49.6762, 0.2962, 0.3334

Rectangle

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



49.6762, 0.2959, 0.3088



49.6762, 0.3144, 0.3129



49.6762, 0.3296, 0.3496



49.6762, 0.3107, 0.3460

Sweetspot

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



49.6783, 0.2959, 0.3088



95.0866, 0.3082, 0.3236



56.5614, 0.3004, 0.3367



20.0771, 0.3069, 0.3221



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.



49.6783, 0.2959, 0.3088



79.8454, 0.2921, 0.3042



47.7525, 0.2997, 0.3013



11.3364, 0.2983, 0.3117



4.6562, 0.1598, 0.0952



0.3694, 0.1708, 0.1349

Inverse Universe

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



49.3206, 0.3269, 0.3216



79.1892, 0.3303, 0.3200



58.0946, 0.3249, 0.3558



11.2634, 0.3248, 0.3227



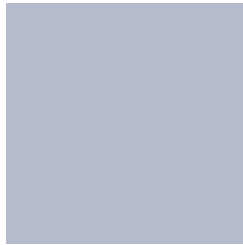
8.2730, 0.5832, 0.2986



0.4398, 0.5260, 0.2671

Previews

White Background



This preview shows how the Yxy color 49.6762, 0.2959, 0.3088 looks on a white background.

Color Contrast Check

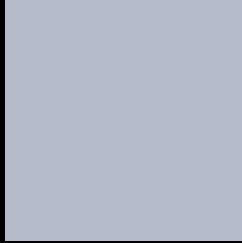
Large Text (above 18pt) WCAG AA × Fail

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 49.6762, 0.2959, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

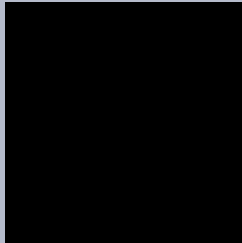
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

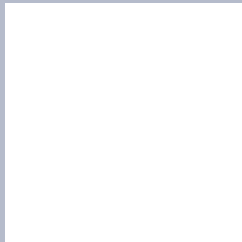
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6762, 0.2959, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 49.6762, 0.2959, 0.3088.

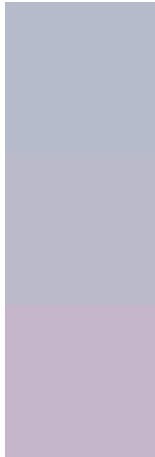


This preview shows how white text looks on a background with the Yxy color 49.6762, 0.2959, 0.3088.

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

49.6762, 0.2959, 0.3088

Protanopia

49.8212, 0.3006, 0.3090

Deuteranopia

49.6858, 0.3081, 0.3023



Tritanopia

49.6287, 0.2967, 0.3100

Trichromacy



Original Color

49.6762, 0.2959, 0.3088

Protanomaly

49.5724, 0.2990, 0.3089

Deuteranomaly

49.7170, 0.3032, 0.3043

Tritanomaly

49.6287, 0.2967, 0.3100

Monochromacy



Original Color

49.6762, 0.2959, 0.3088

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7052, 0.3065, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6762, 0.2959, 0.3088 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(181, 187, 203)` looks like.

```
.text, #text, p{  
    color:rgb(181, 187, 203)  
}
```

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(181, 187, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 187, 203) }
```

Border

The CSS property to change the border of an element to Yxy 49.6762, 0.2959, 0.3088 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(181, 187, 203) }
```

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

```
.border{ border-color:rgb(181, 187, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 187, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 187, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 187, 203);  
box-shadow:4px 4px 4px 4px rgb(181, 187,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6762, 0.2959, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 187, 203) }
```

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

```
.background{ background-color: rgb(181,  
187, 203) }
```

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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