

Converting Colors

$Y_{xy}(49.7560, 0.2785, 0.3188)$

Have a look what the booklet for
Yxy(49.7560, 0.2785, 0.3188)
contains.

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Color

Yxy(49.8685, 0.2791, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	9CC2C9
RGB	156, 194, 201
RGB Percent	61%, 76%, 79%
CMY	0.3884, 0.2391, 0.2118
CMYK	0.22, 0.03, 0.00, 0.21
HSL	189°, 29%, 70%
HSV	189°, 22%, 79%
XYZ	43.5355, 49.8685, 62.5813
YIQ	183.4360, -24.8950, -5.8790

Conversions

Conversions Part 2

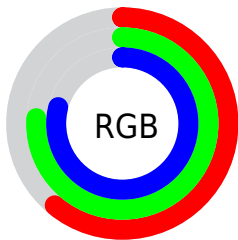
Format	Color
R_{YB}	156, 177, 201
Decimal	10273481
CIE _{Lab}	75.99, -11.08, -7.69
CIE _{LCh}	76, 13.484, 214.753
Yxy	49.8685, 0.2791, 0.3197
Android (android.graphics.Color)	4288463561 (0xFF9CC2C9)
YUV	183.4360, 8.6591, -24.0614
Hunter-Lab	70.6176, -13.5363, -3.1104

Details

The Yxy color **49.8685, 0.2791, 0.3197** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.9795, 0.3561, 0.3381**, and the grayscale version is **47.5629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0632, 0.2864, 0.3248**, and **23.8058, 0.2704, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **46.6591, 0.2652, 0.3150**, and if you desaturate by 10%, it is **53.4426, 0.2938, 0.3241**.

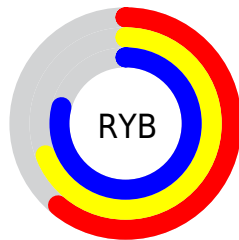
Distribution



Red (61%)

Green (76%)

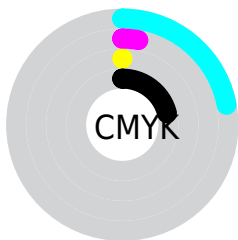
Blue (79%)



Red (61%)

Yellow (69%)

Blue (79%)

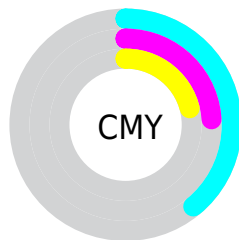


Cyan (22%)

Magenta (3%)

Yellow (0%)

Black (21%)



Cyan (39%)


Magenta (24%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8685, 0.2791, 0.3197 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 49.8685, 0.2791, 0.3197 by changing the saturation by 10% instead.

 49.8685, 0.2791,
0.3197

 49.8685, 0.2791,
0.3197


386.1515, 0.2956,
0.3245

 35.3089, 0.2751,
0.3185


 89.9800, 0.2850,
0.3215

 23.9009, 0.2700,
0.3168


 116.3007, 0.2872,
0.3221

 15.2602, 0.2634,
0.3147


147.3106, 0.2891,
0.3227

 9.0022, 0.2543,
0.3115

183.3941, 0.2908,
0.3232

 4.7426, 0.2412,
0.3067

224.9355, 0.2922,
0.3236

 2.0970, 0.2207,
0.2985

272.3193, 0.2935,

 0.6630, 0.1555,

0.3239

0.2866

325.9298, 0.2946,
0.3242

0.0000, 0.0000,
0.0000

49.8685, 0.2791,
0.3197

49.8685, 0.2791,
0.3197

46.6591, 0.2652,
0.3150

53.4426, 0.2938,
0.3241

43.7919, 0.2524,
0.3100

57.3908, 0.3090,
0.3281

41.2511, 0.2409,
0.3048

61.7295, 0.3244,
0.3317

39.0170, 0.2311,
0.2994

66.4723, 0.3398,
0.3350

37.0677, 0.2232,
0.2939

71.3577, 0.3539,
0.3379

■ 35.3782, 0.2172,
0.2883

■ 72.9045, 0.3532,
0.3411

■ 33.9182, 0.2130,
0.2829

■ 74.4813, 0.3526,
0.3442

■ 32.9221, 0.2108,
0.2787

■ 76.0883, 0.3519,
0.3474

■ 77.7255, 0.3513,
0.3505

Harmonies

Analogous

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



49.8685, 0.2887, 0.3368



49.8685, 0.2791, 0.3197



49.8685, 0.2782, 0.3059

Triad

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



49.8685, 0.2791, 0.3197



49.8685, 0.3200, 0.3075



49.8685, 0.3393, 0.3601

Complementary

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



49.8685, 0.2791, 0.3197



40.9795, 0.3561, 0.3381

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.



49.8685, 0.3484, 0.3510



49.8685, 0.2791, 0.3197



49.8685, 0.3371, 0.3209

Square

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



49.8685, 0.2791, 0.3197



49.8685, 0.3014, 0.2994



49.8685, 0.3476, 0.3366



49.8685, 0.3233, 0.3607

Rectangle

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



49.8685, 0.2791, 0.3197



49.8685, 0.2827, 0.3002



49.8685, 0.3476, 0.3366



49.8685, 0.3433, 0.3579

Sweetspot

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



49.8705, 0.2791, 0.3197



95.0204, 0.3018, 0.3263



51.4641, 0.3052, 0.3815



20.2497, 0.3009, 0.3260



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.



49.8705, 0.2791, 0.3197



82.5869, 0.2721, 0.3174



40.6744, 0.2768, 0.2892



11.7771, 0.2984, 0.3253



20.8121, 0.2110, 0.2795



1.0630, 0.2141, 0.2909

Inverse Universe

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



40.0708, 0.3215, 0.2819



62.9937, 0.3238, 0.2712



49.6060, 0.3502, 0.3659



10.7873, 0.3161, 0.3097



9.6410, 0.3639, 0.1778



0.4643, 0.3536, 0.1721

Previews

White Background



This preview shows how the Yxy color 49.8685, 0.2791, 0.3197 looks on a white background.

Color Contrast Check

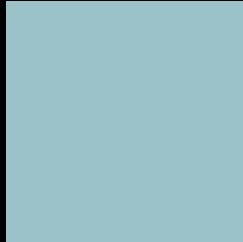
Large Text (above 18pt) WCAG AA × Fail

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 49.8685, 0.2791, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

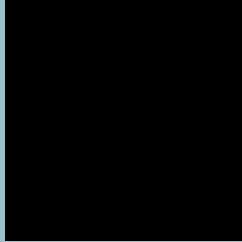
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

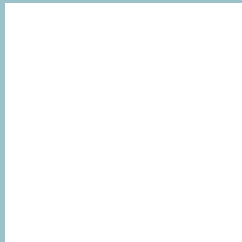
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8685, 0.2791, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 49.8685, 0.2791, 0.3197.



This preview shows how white text looks on a background with the Yxy color 49.8685, 0.2791, 0.3197.

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

49.8685, 0.2791, 0.3197

Protanopia

49.7947, 0.3067, 0.3165

Deuteranopia

49.6858, 0.3081, 0.3023



Tritanopia

49.8621, 0.2752, 0.3094

Trichromacy



Original Color

49.8685, 0.2791, 0.3197

Protanomaly

49.7025, 0.2957, 0.3174

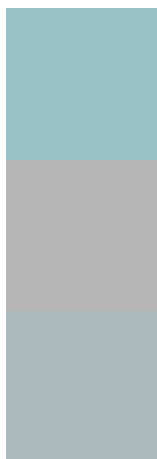
Deuteranomaly

49.3747, 0.2967, 0.3076

Tritanomaly

49.7158, 0.2771, 0.3132

Monochromacy



Original Color

49.8685, 0.2791, 0.3197

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1426, 0.2991, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8685, 0.2791, 0.3197 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(156, 194, 201)` looks like.

```
.text, #text, p{  
    color:rgb(156, 194, 201)  
}
```

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(156, 194, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 194, 201) }
```

Border

The CSS property to change the border of an element to Yxy 49.8685, 0.2791, 0.3197 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(156, 194, 201) }
```

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

```
.border{ border-color:rgb(156, 194, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 194, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 194, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 194, 201);  
box-shadow:4px 4px 4px 4px rgb(156, 194,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8685, 0.2791, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 194, 201) }
```

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

```
.background{ background-color: rgb(156,  
194, 201) }
```

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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