

Converting Colors

$Y_{xy}(49.0949, 0.2799, 0.3293)$

Have a look what the booklet for
Yxy(49.0949, 0.2799, 0.3293)
contains.

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Color

Yxy(48.9626, 0.2795, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	96C2C2
RGB	150, 194, 194
RGB Percent	59%, 76%, 76%
CMY	0.4117, 0.2392, 0.2392
CMYK	0.23, 0.00, 0.00, 0.24
HSL	180°, 27%, 67%
HSV	180°, 23%, 76%
XYZ	41.6085, 48.9626, 58.2966
YIQ	180.8440, -26.2240, -9.3280

Conversions

Conversions Part 2

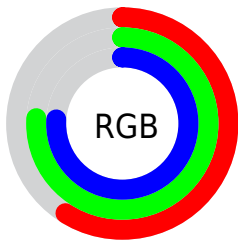
Format	Color
RYB	150, 172, 194
Decimal	9880258
CIELab	75.43, -14.44, -4.77
CIELCh	75, 15.202, 198.276
Yxy	48.9626, 0.2795, 0.3289
Android (android.graphics.Color)	4288070338 (0xFF96C2C2)
YUV	180.8440, 6.4859, -27.0502
Hunter-Lab	69.9733, -16.3110, -0.4148

Details

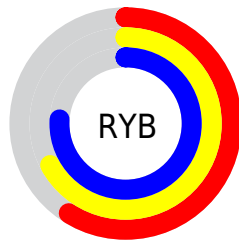
The Yxy color $48.9626, 0.2795, 0.3289$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $35.4889, 0.3586, 0.3291$, and the grayscale version is $46.0969, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.8756, 0.2856, 0.3300$, and $23.2463, 0.2709, 0.3289$ is the 20% darker color. If you saturate the color by 10%, you get $47.2738, 0.2666, 0.3289$, and if you desaturate by 10%, it is $50.9601, 0.2936, 0.3289$.

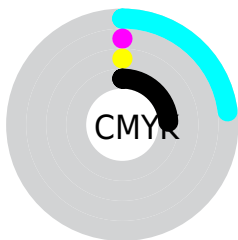
Distribution



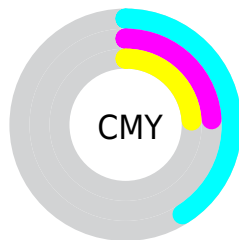
- Red (59%)
- Green (76%)
- Blue (76%)



- Red (59%)
- Yellow (67%)
- Blue (76%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)




- Cyan (41%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9626, 0.2795, 0.3289 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 48.9626, 0.2795, 0.3289 by changing the saturation by 10% instead.


 48.9626, 0.2795,
0.3289


 48.9626, 0.2795,
0.3289

382.5951, 0.2958,
0.3291

 34.5898, 0.2755,
0.3288


 88.6359, 0.2854,
0.3290

 23.3471, 0.2704,
0.3286


 114.7052, 0.2876,
0.3291

 14.8500, 0.2637,
0.3283


145.4421, 0.2895,
0.3291

 8.7142, 0.2546,
0.3278

181.2311, 0.2911,
0.3291

 4.5552, 0.2412,
0.3268

222.4565, 0.2925,
0.3291

 1.9887, 0.2201,
0.3247

269.5027, 0.2938,

 0.6009, 0.1210,

0.3291

322.7541, 0.2949,
0.3291

0.3325

0.0000, 0.0000,
0.0000

48.9626, 0.2795,
0.3289

48.9626, 0.2795,
0.3289

47.2738, 0.2666,
0.3289

50.9601, 0.2936,
0.3289

45.8726, 0.2553,
0.3288

53.2743, 0.3086,
0.3290

44.7450, 0.2456,
0.3288

55.9202, 0.3242,
0.3290

43.8729, 0.2378,
0.3288

58.9102, 0.3402,
0.3291

43.2365, 0.2319,
0.3288

62.2560, 0.3563,
0.3291

■ 42.8128, 0.2279,
0.3288

■ 63.7393, 0.3629,
0.3291

■ 42.5744, 0.2256,
0.3287

■ 63.7393, 0.3629,
0.3291

■ 42.4793, 0.2247,
0.3287

■ 63.7393, 0.3629,
0.3291

■ 63.7393, 0.3629,
0.3291

Harmonies

Analogous

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



48.9626, 0.2948, 0.3481



48.9626, 0.2795, 0.3289



48.9626, 0.2730, 0.3105

Triad

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



48.9626, 0.2795, 0.3289



48.9626, 0.3092, 0.2988



48.9626, 0.3498, 0.3595

Complementary

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



48.9626, 0.2795, 0.3289



35.4889, 0.3586, 0.3291

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.



48.9626, 0.3542, 0.3453



48.9626, 0.2795, 0.3289



48.9626, 0.3303, 0.3109

Square

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



48.9626, 0.2795, 0.3289



48.9626, 0.2897, 0.2940



48.9626, 0.3469, 0.3277



48.9626, 0.3353, 0.3659

Rectangle

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



48.9626, 0.2795, 0.3289



48.9626, 0.2743, 0.3013



48.9626, 0.3469, 0.3277



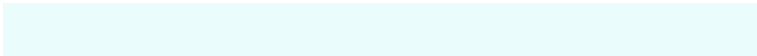
48.9626, 0.3525, 0.3554

Sweetspot

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



48.9646, 0.2795, 0.3289



94.5851, 0.3018, 0.3290



47.3417, 0.3103, 0.3917



20.6563, 0.3009, 0.3290



0.0000, 0.0000, 0.0000



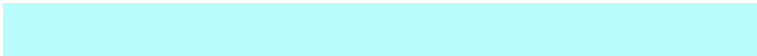
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9646, 0.2795, 0.3289



87.1866, 0.2732, 0.3289



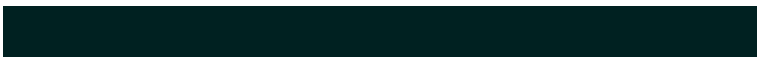
40.1681, 0.2773, 0.2993



11.4285, 0.2985, 0.3290



27.9284, 0.2247, 0.3287



1.2067, 0.2247, 0.3287

Inverse Universe

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



35.4889, 0.3586, 0.3291



58.6533, 0.3715, 0.3292



42.9015, 0.3526, 0.3570



10.0779, 0.3289, 0.3290



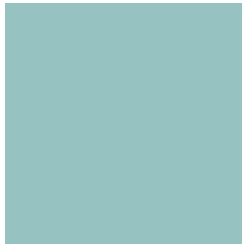
7.5408, 0.6401, 0.3300



0.3258, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 48.9626, 0.2795, 0.3289 looks on a white background.

Color Contrast Check

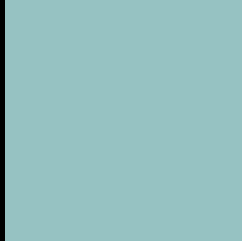
Large Text (above 18pt) WCAG AA × Fail

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 48.9626, 0.2795, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

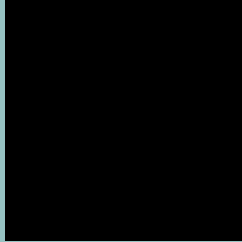
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

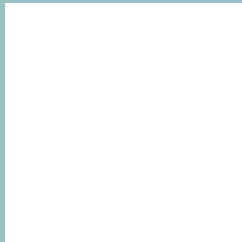
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9626, 0.2795, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 48.9626, 0.2795, 0.3289.



This preview shows how white text looks on a background with the Yxy color 48.9626, 0.2795, 0.3289.

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

48.9626, 0.2795, 0.3289

Protanopia

48.6032, 0.3130, 0.3239

Deuteranopia

48.6795, 0.3145, 0.3082



Tritanopia

48.9766, 0.2730, 0.3091

Trichromacy



Original Color

48.9626, 0.2795, 0.3289

Protanomaly

48.6828, 0.2999, 0.3264

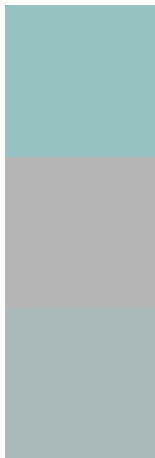
Deuteranomaly

48.5072, 0.3011, 0.3149

Tritanomaly

49.0796, 0.2756, 0.3169

Monochromacy



Original Color

48.9626, 0.2795, 0.3289

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2090, 0.2996, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9626, 0.2795, 0.3289 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(150, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(150, 194, 194)  
}
```

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(150, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 194, 194) }
```

Border

The CSS property to change the border of an element to Yxy 48.9626, 0.2795, 0.3289 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(150, 194, 194) }
```

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

```
.border{ border-color:rgb(150, 194, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 194, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 194, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 194, 194);  
box-shadow:4px 4px 4px 4px rgb(150, 194,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9626, 0.2795, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 194, 194) }
```

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

```
.background{ background-color: rgb(150,  
194, 194) }
```

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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