

Converting Colors

$Y_{xy}(49.8922, 0.2564, 0.3267)$

Have a look what the booklet for
Yxy(49.8922, 0.2564, 0.3267)
contains.

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Color

Yxy(49.9595, 0.2566, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	77C9CA
RGB	119, 201, 202
RGB Percent	47%, 79%, 79%
CMY	0.5337, 0.2117, 0.2079
CMYK	0.41, 0.00, 0.00, 0.21
HSL	181°, 44%, 63%
HSV	181°, 41%, 79%
XYZ	39.1438, 49.9595, 63.4448
YIQ	176.5960, -49.1930, -17.0730

Conversions

Conversions Part 2

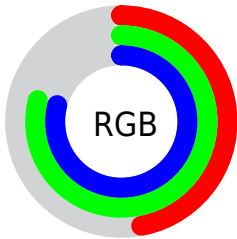
Format	Color
RYB	119, 160, 202
Decimal	7850442
CIELab	76.04, -24.74, -8.35
CIELCh	76, 26.113, 198.651
Yxy	49.9595, 0.2566, 0.3275
Android (android.graphics.Color)	4286040522 (0xFF77C9CA)
YUV	176.5960, 12.5242, -50.5117
Hunter-Lab	70.6820, -24.8399, -3.7417

Details

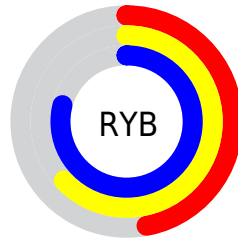
The Yxy color **49.9595, 0.2566, 0.3275** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.2864, 0.4165, 0.3306**, and the grayscale version is **43.6862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **24.0623, 0.2422, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **48.5733, 0.2465, 0.3271**, and if you desaturate by 10%, it is **51.6533, 0.2683, 0.3279**.

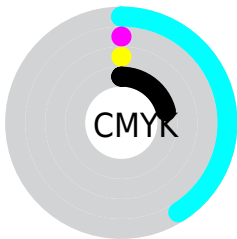
Distribution



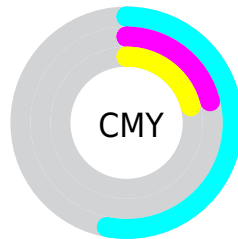
- Red (47%)
- Green (79%)
- Blue (79%)



- Red (47%)
- Yellow (63%)
- Blue (79%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (53%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9595, 0.2566, 0.3275 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 49.9595, 0.2566, 0.3275 by changing the saturation by 10% instead.

 49.9595, 0.2566,
0.3275

 49.9595, 0.2566,
0.3275


386.5075, 0.2839,
0.3288

 35.3812, 0.2500,
0.3270


 90.1149, 0.2663,
0.3281

 23.9567, 0.2418,
0.3263


 116.4607, 0.2700,
0.3283

 15.3015, 0.2310,
0.3252


 147.4979, 0.2732,
0.3284

 9.0313, 0.2165,
0.3235

183.6109, 0.2759,
0.3285

 4.7616, 0.1960,
0.3203

225.1839, 0.2783,
0.3286

 2.1081, 0.1650,
0.3138

272.6014, 0.2804,

 0.6692, 0.0156,

0.3287

326.2478, 0.2822,
0.3287

0.3253

0.0000, 0.0000,
0.0000

49.9595, 0.2566,
0.3275

49.9595, 0.2566,
0.3275

48.5733, 0.2465,
0.3271

51.6533, 0.2683,
0.3279

47.4695, 0.2383,
0.3267

53.6667, 0.2815,
0.3283

46.6284, 0.2320,
0.3263


56.0179, 0.2958,
0.3286

46.0251, 0.2276,
0.3259

58.7221, 0.3110,
0.3290


45.6303, 0.2249,
0.3255

61.7936, 0.3267,
0.3293

 45.4065, 0.2237,
0.3252

 65.2461, 0.3427,
0.3296

 68.0733, 0.3545,
0.3298

 68.1836, 0.3545,
0.3301

 68.2941, 0.3544,
0.3303

Harmonies

Analogous

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



49.9595, 0.2815, 0.3617



49.9595, 0.2566, 0.3275



49.9595, 0.2464, 0.2962

Triad

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



49.9595, 0.2566, 0.3275



49.9595, 0.3066, 0.2791



49.9595, 0.3756, 0.3802

Complementary

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



49.9595, 0.2566, 0.3275



27.2864, 0.4165, 0.3306

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.



49.9595, 0.3839, 0.3555



49.9595, 0.2566, 0.3275



49.9595, 0.3428, 0.2990

Square

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



49.9595, 0.2566, 0.3275



49.9595, 0.2739, 0.2708



49.9595, 0.3718, 0.3262



49.9595, 0.3502, 0.3927

Rectangle

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



49.9595, 0.2566, 0.3275



49.9595, 0.2487, 0.2814



49.9595, 0.3718, 0.3262



49.9595, 0.3806, 0.3729

Sweetspot

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



49.9615, 0.2566, 0.3275



94.4254, 0.2943, 0.3286



47.4778, 0.3068, 0.4547



20.0926, 0.2923, 0.3285



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.



49.9615, 0.2566, 0.3275



82.5701, 0.2479, 0.3272



33.4759, 0.2471, 0.2676



12.7039, 0.2984, 0.3287



29.2343, 0.2237, 0.3253



1.5155, 0.2239, 0.3260

Inverse Universe

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



29.9446, 0.3184, 0.2298



44.3657, 0.3195, 0.2114



39.1805, 0.3939, 0.3827



11.4014, 0.3140, 0.3064



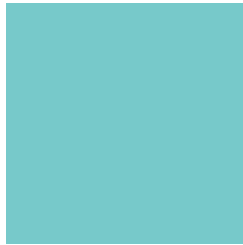
10.7542, 0.3238, 0.1557



0.5555, 0.3232, 0.1554

Previews

White Background



This preview shows how the Yxy color 49.9595, 0.2566, 0.3275 looks on a white background.

Color Contrast Check

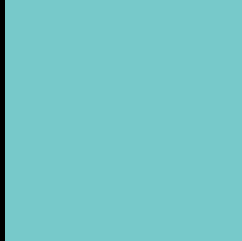
Large Text (above 18pt) WCAG AA × Fail

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 49.9595, 0.2566, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

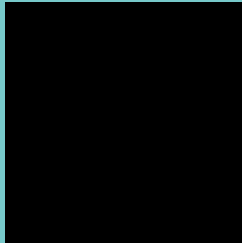
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

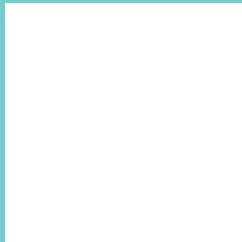
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9595, 0.2566, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 49.9595, 0.2566, 0.3275.

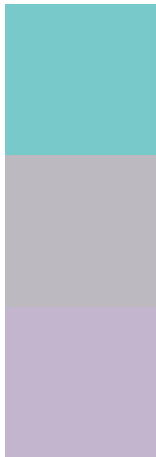


This preview shows how white text looks on a background with the Yxy color 49.9595, 0.2566, 0.3275.

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

49.9595, 0.2566, 0.3275

Protanopia

49.2395, 0.3090, 0.3189

Deuteranopia

49.2397, 0.3058, 0.2986



Tritanopia

49.9641, 0.2513, 0.3073

Trichromacy



Original Color

49.9595, 0.2566, 0.3275

Protanomaly

49.0337, 0.2873, 0.3223

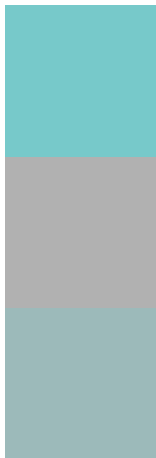
Deuteranomaly

48.6990, 0.2846, 0.3070

Tritanomaly

50.0993, 0.2537, 0.3152

Monochromacy



Original Color

49.9595, 0.2566, 0.3275

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.7309, 0.2887, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9595, 0.2566, 0.3275 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(119, 201, 202)` looks like.

```
.text, #text, p{  
    color:rgb(119, 201, 202)  
}
```

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(119, 201, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 201, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.9595, 0.2566, 0.3275 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(119, 201, 202) }
```

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

```
.border{ border-color:rgb(119, 201, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 201, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 201, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 201, 202);  
box-shadow:4px 4px 4px 4px rgb(119, 201,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9595, 0.2566, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 201, 202) }
```

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

```
.background{ background-color: rgb(119,  
201, 202) }
```

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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