

Converting Colors

$Y_{xy}(49.9649, 0.2704, 0.3120)$

Have a look what the booklet for
Yxy(49.9649, 0.2704, 0.3120)
contains.

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Color

Yxy(49.9738, 0.2701, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	95C3D0
RGB	149, 195, 208
RGB Percent	58%, 76%, 82%
CMY	0.4154, 0.2353, 0.1842
CMYK	0.28, 0.06, 0.00, 0.18
HSL	193°, 39%, 70%
HSV	193°, 28%, 82%
XYZ	43.3042, 49.9738, 67.0486
YIQ	182.7280, -31.5890, -5.7090

Conversions

Conversions Part 2

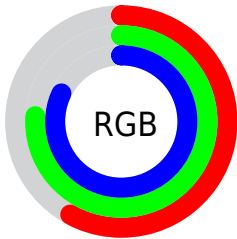
Format	Color
RYB	149, 175, 208
Decimal	9814992
CIELab	76.05, -12.04, -11.44
CIElCh	76, 16.610, 223.536
Yxy	49.9738, 0.2701, 0.3117
Android (android.graphics.Color)	4288005072 (0xFF95C3D0)
YUV	182.7280, 12.4591, -29.5795
Hunter-Lab	70.6921, -14.3667, -6.7496

Details

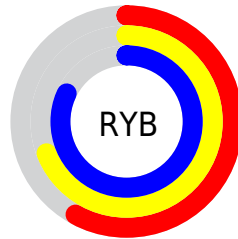
The Yxy color **49.9738, 0.2701, 0.3117** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.4565, 0.3700, 0.3456**, and the grayscale version is **47.1482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6782, 0.2825, 0.3258**, and **23.8696, 0.2582, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **46.1616, 0.2562, 0.3046**, and if you desaturate by 10%, it is **54.2029, 0.2848, 0.3183**.

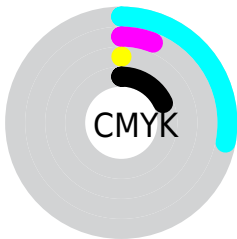
Distribution



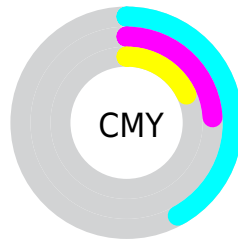
- Red (58%)
- Green (76%)
- Blue (82%)



- Red (58%)
- Yellow (69%)
- Blue (82%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (42%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9738, 0.2701, 0.3117 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 49.9738, 0.2701, 0.3117 by changing the saturation by 10% instead.

■ 49.9738, 0.2701,
0.3117

■ 49.9738, 0.2701,
0.3117

386.5635, 0.2909,
0.3205

■ 35.3926, 0.2651,
0.3094

■ 90.1361, 0.2775,
0.3150

■ 23.9654, 0.2588,
0.3065

■ 116.4859, 0.2803,
0.3162

■ 15.3080, 0.2505,
0.3026

147.5274, 0.2827,
0.3172

■ 9.0358, 0.2393,
0.2971

183.6449, 0.2848,
0.3181

■ 4.7646, 0.2233,
0.2887

225.2229, 0.2866,
0.3188

■ 2.1098, 0.1987,
0.2749

272.6457, 0.2882,

■ 0.6701, 0.1289,

0.3195

0.2519

326.2978, 0.2896,
0.3200

0.0000, 0.0000,
0.0000

49.9738, 0.2701,
0.3117

49.9738, 0.2701,
0.3117

46.1616, 0.2562,
0.3046

54.2029, 0.2848,
0.3183

42.7411, 0.2435,
0.2971

58.8607, 0.2999,
0.3244

39.6935, 0.2321,
0.2893

63.9658, 0.3153,
0.3299

36.9957, 0.2225,
0.2812

69.5338, 0.3305,
0.3348

34.6213, 0.2147,
0.2731

75.5797, 0.3456,
0.3393

■ 32.5398, 0.2090,
0.2649

■ 78.3608, 0.3462,
0.3438

■ 30.7050, 0.2049,
0.2569

■ 80.8443, 0.3454,
0.3484

■ 30.4133, 0.2043,
0.2556

■ 83.3951, 0.3445,
0.3529

■ 86.0134, 0.3437,
0.3574

Harmonies

Analogous

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



49.9738, 0.2788, 0.3322



49.9738, 0.2701, 0.3117



49.9738, 0.2723, 0.2969

Triad

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



49.9738, 0.2701, 0.3117



49.9738, 0.3283, 0.3069



49.9738, 0.3403, 0.3687

Complementary

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



49.9738, 0.2701, 0.3117



41.4565, 0.3700, 0.3456

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.



49.9738, 0.3545, 0.3600



49.9738, 0.2701, 0.3117



49.9738, 0.3476, 0.3245

Square

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



49.9738, 0.2701, 0.3117



49.9738, 0.3052, 0.2949



49.9738, 0.3573, 0.3437



49.9738, 0.3189, 0.3663

Rectangle

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



49.9738, 0.2701, 0.3117



49.9738, 0.2797, 0.2920



49.9738, 0.3573, 0.3437



49.9738, 0.3461, 0.3670

Sweetspot

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



49.9758, 0.2701, 0.3117



92.7110, 0.2988, 0.3239



54.1185, 0.3006, 0.3923



19.6036, 0.2965, 0.3231



0.0000, 0.0000, 0.0000



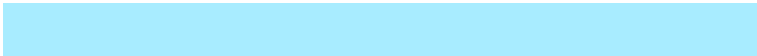
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9758, 0.2701, 0.3117



75.4773, 0.2616, 0.3075



38.1375, 0.2659, 0.2712



12.9453, 0.2983, 0.3237



19.1004, 0.2047, 0.2567



1.1801, 0.2088, 0.2715

Inverse Universe

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



38.8664, 0.3280, 0.2734



55.4231, 0.3321, 0.2614



52.9828, 0.3603, 0.3807



11.9625, 0.3171, 0.3111



9.9995, 0.3856, 0.1898



0.5704, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 49.9738, 0.2701, 0.3117 looks on a white background.

Color Contrast Check

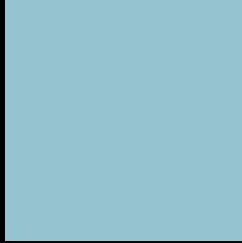
Large Text (above 18pt) WCAG AA × Fail

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 49.9738, 0.2701, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

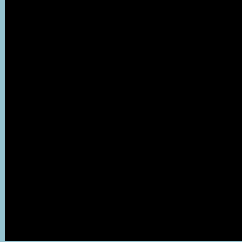
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9738, 0.2701, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 49.9738, 0.2701, 0.3117.



This preview shows how white text looks on a background with the Yxy color 49.9738, 0.2701, 0.3117.

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

49.9738, 0.2701, 0.3117

Protanopia

49.8212, 0.3006, 0.3090

Deuteranopia

49.6284, 0.3004, 0.2938



Tritanopia

50.1674, 0.2695, 0.3092

Trichromacy



Original Color

49.9738, 0.2701, 0.3117

Protanomaly

49.6391, 0.2891, 0.3098

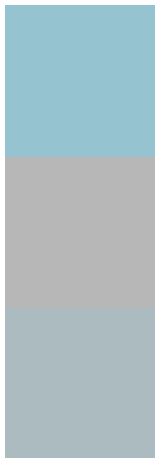
Deuteranomaly

49.6588, 0.2887, 0.3001

Tritanomaly

50.1177, 0.2701, 0.3105

Monochromacy



Original Color

49.9738, 0.2701, 0.3117

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0043, 0.2960, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9738, 0.2701, 0.3117 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(149, 195, 208)` looks like.

```
.text, #text, p{  
    color:rgb(149, 195, 208)  
}
```

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(149, 195, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 195, 208) }
```

Border

The CSS property to change the border of an element to Yxy 49.9738, 0.2701, 0.3117 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(149, 195, 208) }
```

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

```
.border{ border-color:rgb(149, 195, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 195, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 195, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 195, 208);  
box-shadow:4px 4px 4px 4px rgb(149, 195,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9738, 0.2701, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 195, 208) }
```

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

```
.background{ background-color: rgb(149,  
195, 208) }
```

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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