

Converting Colors

$Y_{xy}(50.8034, 0.2518, 0.3117)$

Have a look what the booklet for
Yxy(50.8034, 0.2518, 0.3117)
contains.

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Color

Yxy(50.7659, 0.2517, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	7AC9D6
RGB	122, 201, 214
RGB Percent	48%, 79%, 84%
CMY	0.5218, 0.2117, 0.1607
CMYK	0.43, 0.06, 0.00, 0.16
HSL	188°, 53%, 66%
HSV	188°, 43%, 84%
XYZ	41.0465, 50.7659, 71.2647
YIQ	178.8610, -51.2570, -12.7050

Conversions

Conversions Part 2

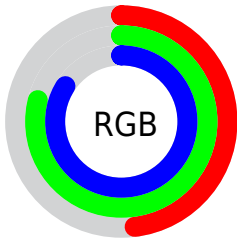
Format	Color
RYB	122, 165, 214
Decimal	8047062
CIELab	76.54, -20.93, -14.10
CIElCh	77, 25.239, 213.966
Yxy	50.7659, 0.2517, 0.3113
Android (android.graphics.Color)	4286237142 (0xFF7AC9D6)
YUV	178.8610, 17.3235, -49.8671
Hunter-Lab	71.2502, -21.8558, -9.4269

Details

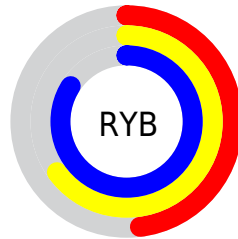
The Yxy color **50.7659, 0.2517, 0.3113** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0196, 0.4175, 0.3454**, and the grayscale version is **44.9237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **24.4945, 0.2362, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **47.9785, 0.2405, 0.3065**, and if you desaturate by 10%, it is **53.9289, 0.2644, 0.3159**.

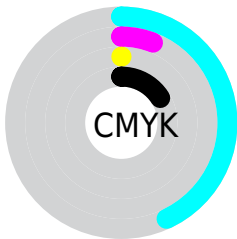
Distribution



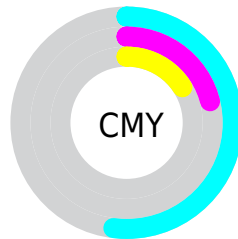
- Red (48%)
- Green (79%)
- Blue (84%)



- Red (48%)
- Yellow (65%)
- Blue (84%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (52%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7659, 0.2517, 0.3113 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 50.7659, 0.2517, 0.3113 by changing the saturation by 10% instead.

■ 50.7659, 0.2517,
0.3113

■ 50.7659, 0.2517,
0.3113

389.6536, 0.2811,
0.3207

■ 36.0223, 0.2447,
0.3088

■ 91.3086, 0.2621,
0.3148

■ 24.4514, 0.2359,
0.3056

■ 117.8766, 0.2661,
0.3161

■ 15.6688, 0.2246,
0.3012

■ 149.1548, 0.2695,
0.3172

■ 9.2901, 0.2095,
0.2949

185.5277, 0.2725,
0.3181

■ 4.9309, 0.1884,
0.2852

227.3796, 0.2750,
0.3189

■ 2.2068, 0.1574,
0.2689

275.0950, 0.2773,

■ 0.7237, 0.0605,

0.3196

0.2477

329.0582, 0.2793,
0.3201

0.0000, 0.0000,
0.0000

50.7659, 0.2517,
0.3113

50.7659, 0.2517,
0.3113

47.9785, 0.2405,
0.3065

53.9289, 0.2644,
0.3159

45.5378, 0.2310,
0.3016

57.4826, 0.2782,
0.3202

43.4201, 0.2234,
0.2966

61.4481, 0.2928,
0.3242

41.5956, 0.2177,
0.2915

65.8435, 0.3081,
0.3280

40.0287, 0.2139,
0.2866

70.6854, 0.3235,
0.3313

■ 39.0452, 0.2120,
0.2831

■ 75.9899, 0.3391,
0.3343

■ 78.4524, 0.3420,
0.3373

■ 80.0749, 0.3415,
0.3403

■ 81.7263, 0.3411,
0.3433

Harmonies

Analogous

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



50.7659, 0.2689, 0.3440



50.7659, 0.2517, 0.3113



50.7659, 0.2499, 0.2861

Triad

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



50.7659, 0.2517, 0.3113



50.7659, 0.3249, 0.2895



50.7659, 0.3624, 0.3863

Complementary

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



50.7659, 0.2517, 0.3113



33.0196, 0.4175, 0.3454

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.



50.7659, 0.3795, 0.3677



50.7659, 0.2517, 0.3113



50.7659, 0.3574, 0.3129

Square

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



50.7659, 0.2517, 0.3113



50.7659, 0.2905, 0.2754



50.7659, 0.3778, 0.3409



50.7659, 0.3323, 0.3895

Rectangle

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



50.7659, 0.2517, 0.3113



50.7659, 0.2574, 0.2763



50.7659, 0.3778, 0.3409



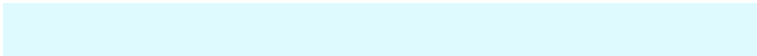
50.7659, 0.3699, 0.3815

Sweetspot

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



50.7679, 0.2517, 0.3113



91.2938, 0.2927, 0.3242



53.9638, 0.2995, 0.4442



19.2480, 0.2893, 0.3233



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.



50.7679, 0.2517, 0.3113



71.5304, 0.2410, 0.3068



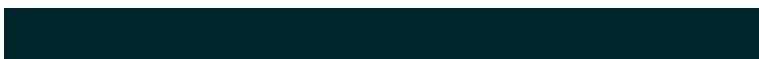
32.6696, 0.2407, 0.2458



13.7947, 0.2983, 0.3256



23.7121, 0.2122, 0.2839



1.5142, 0.2146, 0.2924

Inverse Universe

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



32.4236, 0.3307, 0.2370



41.3490, 0.3356, 0.2188



48.4505, 0.3926, 0.3994



12.6011, 0.3159, 0.3092



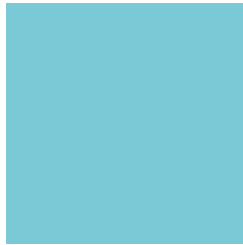
10.7386, 0.3599, 0.1756



0.6562, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 50.7659, 0.2517, 0.3113 looks on a white background.

Color Contrast Check

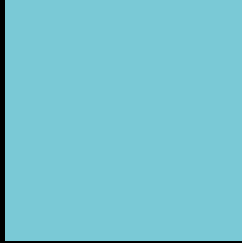
Large Text (above 18pt) WCAG AA × Fail

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 50.7659, 0.2517, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

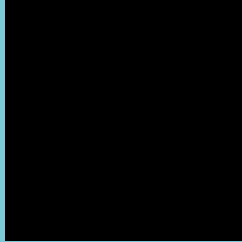
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7659, 0.2517, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 50.7659, 0.2517, 0.3113.



This preview shows how white text looks on a background with the Yxy color 50.7659, 0.2517, 0.3113.

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

50.7659, 0.2517, 0.3113

Protanopia

50.3875, 0.2984, 0.3066

Deuteranopia

50.1354, 0.2937, 0.2869



Tritanopia

50.9940, 0.2507, 0.3074

Trichromacy



Original Color

50.7659, 0.2517, 0.3113

Protanomaly

50.0399, 0.2793, 0.3083

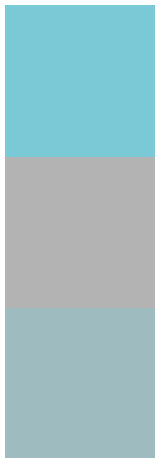
Deuteranomaly

50.0522, 0.2761, 0.2948

Tritanomaly

50.9421, 0.2512, 0.3087

Monochromacy



Original Color

50.7659, 0.2517, 0.3113

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.6155, 0.2860, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7659, 0.2517, 0.3113 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(122, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(122, 201, 214)  
}
```

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(122, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 201, 214) }
```

Border

The CSS property to change the border of an element to Yxy 50.7659, 0.2517, 0.3113 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(122, 201, 214) }
```

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

```
.border{ border-color:rgb(122, 201, 214) }
```

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

Here you see how a box with a 4 pixel rgb(122, 201, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(122, 201,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7659, 0.2517, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 201, 214) }
```

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

```
.background{ background-color: rgb(122,  
201, 214) }
```

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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