

Converting Colors

$Y_{xy}(49.4106, 0.2580, 0.3261)$

Have a look what the booklet for
Yxy(49.4106, 0.2580, 0.3261)
contains.

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Color

Yxy(49.2015, 0.2584, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	7AC7C9
RGB	122, 199, 201
RGB Percent	48%, 78%, 79%
CMY	0.5217, 0.2196, 0.2118
CMYK	0.39, 0.01, 0.00, 0.21
HSL	181°, 42%, 63%
HSV	181°, 39%, 79%
XYZ	38.9870, 49.2015, 62.6900
YIQ	176.2050, -46.5340, -15.7020

Conversions

Conversions Part 2

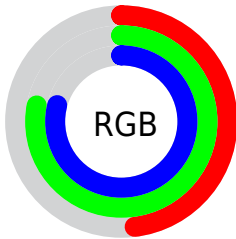
Format	Color
R _Y B	122, 161, 201
Decimal	8046537
CIE Lab	75.58, -23.22, -8.49
CIE LCh	76, 24.726, 200.088
Yxy	49.2015, 0.2584, 0.3261
Android (android.graphics.Color)	4286236617 (0xFF7AC7C9)
YUV	176.2050, 12.2239, -47.5378
Hunter-Lab	70.1438, -23.5385, -3.8890

Details

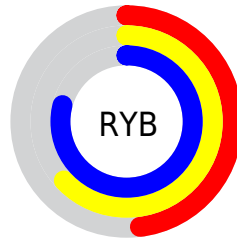
The Yxy color **49.2015, 0.2584, 0.3261** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.2211, 0.4092, 0.3319**, and the grayscale version is **43.4788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **23.5507, 0.2443, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **47.6546, 0.2479, 0.3253**, and if you desaturate by 10%, it is **51.0564, 0.2705, 0.3269**.

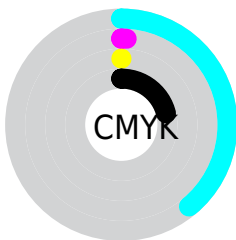
Distribution



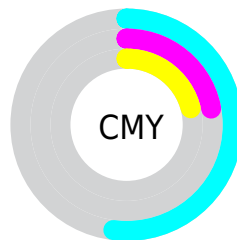
- Red (48%)
- Green (78%)
- Blue (79%)



- Red (48%)
- Yellow (63%)
- Blue (79%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)



- Cyan (52%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2015, 0.2584, 0.3261 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 49.2015, 0.2584, 0.3261 by changing the saturation by 10% instead.

■ 49.2015, 0.2584,
0.3261

■ 49.2015, 0.2584,
0.3261

■ 383.5350, 0.2849,
0.3281

■ 34.7793, 0.2520,
0.3255

■ 88.9907, 0.2679,
0.3269

■ 23.4930, 0.2439,
0.3246

■ 115.1264, 0.2715,
0.3272

■ 14.9579, 0.2334,
0.3232

■ 145.9356, 0.2745,
0.3274

■ 8.7899, 0.2192,
0.3211

■ 181.8024, 0.2772,
0.3276

■ 4.6044, 0.1990,
0.3174

■ 223.1114, 0.2795,
0.3277

■ 2.0171, 0.1682,
0.3101

■ 270.2469, 0.2815,

■ 0.6174, 0.0103,

0.3279

0.3189

323.5933, 0.2833,
0.3280

0.0000, 0.0000,
0.0000

49.2015, 0.2584,
0.3261

49.2015, 0.2584,
0.3261

47.6546, 0.2479,
0.3253

51.0564, 0.2705,
0.3269

46.3911, 0.2392,
0.3244

53.2307, 0.2840,
0.3277

45.3918, 0.2323,
0.3236

55.7422, 0.2985,
0.3284

44.6331, 0.2274,
0.3228

58.6059, 0.3138,
0.3290

44.0868, 0.2243,
0.3219

61.8358, 0.3295,
0.3297

■ 43.7041, 0.2226,
0.3211

■ 65.4450, 0.3455,
0.3302

■ 43.6796, 0.2225,
0.3211

■ 67.9644, 0.3553,
0.3307

■ 68.2013, 0.3552,
0.3312

■ 68.4389, 0.3551,
0.3317

Harmonies

Analogous

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



49.2015, 0.2816, 0.3586



49.2015, 0.2584, 0.3261



49.2015, 0.2493, 0.2967

Triad

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



49.2015, 0.2584, 0.3261



49.2015, 0.3086, 0.2821



49.2015, 0.3718, 0.3788

Complementary

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



49.2015, 0.2584, 0.3261



28.2211, 0.4092, 0.3319

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.



49.2015, 0.3805, 0.3557



49.2015, 0.2584, 0.3261



49.2015, 0.3430, 0.3015

Square

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



49.2015, 0.2584, 0.3261



49.2015, 0.2771, 0.2735



49.2015, 0.3698, 0.3278



49.2015, 0.3470, 0.3897

Rectangle

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



49.2015, 0.2584, 0.3261



49.2015, 0.2520, 0.2829



49.2015, 0.3698, 0.3278



49.2015, 0.3767, 0.3720

Sweetspot

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



49.2034, 0.2584, 0.3261



94.1645, 0.2943, 0.3282



47.3388, 0.3063, 0.4462



20.0307, 0.2923, 0.3281



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.



49.2034, 0.2584, 0.3261



82.0077, 0.2495, 0.3254



33.5490, 0.2497, 0.2688



12.0203, 0.2984, 0.3284



27.4900, 0.2226, 0.3212



1.3163, 0.2230, 0.3229

Inverse Universe

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



30.4511, 0.3192, 0.2351



45.6585, 0.3206, 0.2169



39.9412, 0.3888, 0.3820



10.8119, 0.3142, 0.3068



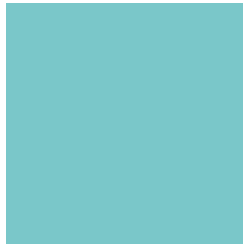
10.3151, 0.3272, 0.1576



0.4899, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 49.2015, 0.2584, 0.3261 looks on a white background.

Color Contrast Check

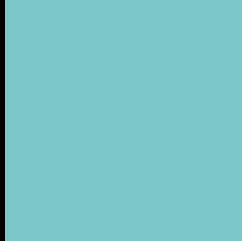
Large Text (above 18pt) WCAG AA × Fail

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 49.2015, 0.2584, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

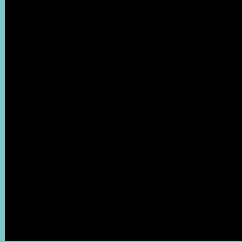
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

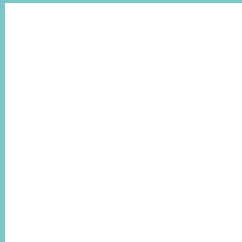
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2015, 0.2584, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 49.2015, 0.2584, 0.3261.



This preview shows how white text looks on a background with the Yxy color 49.2015, 0.2584, 0.3261.

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

49.2015, 0.2584, 0.3261

Protanopia

48.6515, 0.3090, 0.3189

Deuteranopia

48.5196, 0.3049, 0.2984



Tritanopia

49.0966, 0.2530, 0.3072

Trichromacy



Original Color

49.2015, 0.2584, 0.3261

Protanomaly

48.1219, 0.2878, 0.3210

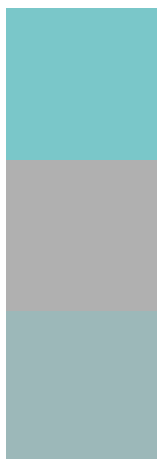
Deuteranomaly

48.2251, 0.2853, 0.3069

Tritanomaly

49.2767, 0.2548, 0.3138

Monochromacy



Original Color

49.2015, 0.2584, 0.3261

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8517, 0.2893, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2015, 0.2584, 0.3261 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, 199, 201)` looks like.

```
.text, #text, p{  
    color:rgb(122, 199, 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(122, 199, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 199, 201) }
```

Border

The CSS property to change the border of an element to Yxy 49.2015, 0.2584, 0.3261 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, 199, 201) }
```

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

```
.border{ border-color:rgb(122, 199, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 199, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 199, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 199, 201);  
box-shadow:4px 4px 4px 4px rgb(122, 199,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2015, 0.2584, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 199, 201) }
```

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

```
.background{ background-color: rgb(122,  
199, 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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