

Converting Colors

$Y_{xy}(49.3633, 0.2492, 0.3230)$

Have a look what the booklet for
Yxy(49.3633, 0.2492, 0.3230)
contains.

Yxy(49.3692, 0.2494, 0.3232)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3692, 0.2494, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	6CC9CD
RGB	108, 201, 205
RGB Percent	42%, 79%, 80%
CMY	0.5763, 0.2118, 0.1960
CMYK	0.47, 0.02, 0.00, 0.20
HSL	182°, 49%, 61%
HSV	182°, 47%, 80%
XYZ	38.0962, 49.3692, 65.2859
YIQ	173.6490, -56.7120, -18.4720

Conversions

Conversions Part 2

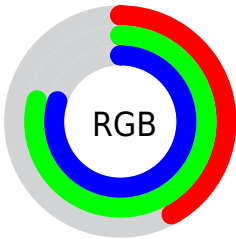
Format	Color
RYB	108, 155, 205
Decimal	7129549
CIELab	75.68, -26.52, -10.58
CIELCh	76, 28.554, 201.746
Yxy	49.3692, 0.2494, 0.3232
Android (android.graphics.Color)	4285319629 (0xFF6CC9CD)
YUV	173.6490, 15.4560, -57.5742
Hunter-Lab	70.2632, -26.1794, -5.9057

Details

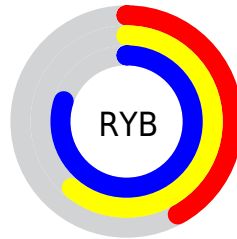
The Yxy color **49.3692, 0.2494, 0.3232** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6693, 0.4390, 0.3345**, and the grayscale version is **42.0870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **23.7061, 0.2328, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **47.8376, 0.2401, 0.3218**, and if you desaturate by 10%, it is **51.2091, 0.2604, 0.3246**.

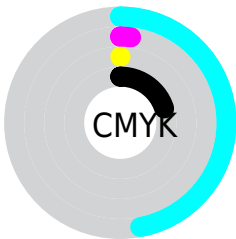
Distribution



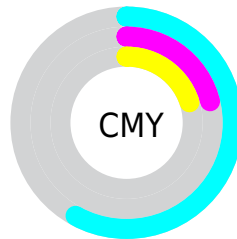
- Red (42%)
- Green (79%)
- Blue (80%)



- Red (42%)
- Yellow (61%)
- Blue (80%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)





- Cyan (58%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3692, 0.2494, 0.3232 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 49.3692, 0.2494, 0.3232 by changing the saturation by 10% instead.


 49.3692, 0.2494,
0.3232


 49.3692, 0.2494,
0.3232


384.1940, 0.2801,
0.3268


 34.9124, 0.2420,
0.3221


 89.2396, 0.2603,
0.3247

 23.5954, 0.2328,
0.3206


 115.4219, 0.2645,
0.3252

 15.0338, 0.2208,
0.3184


 146.2816, 0.2681,
0.3256

 8.8431, 0.2047,
0.3150

182.2031, 0.2711,
0.3259

 4.6390, 0.1821,
0.3094

223.5706, 0.2738,
0.3262

 2.0370, 0.1485,
0.2986

270.7687, 0.2762,

 0.6289, 0.0000,

0.3264

0.2952

324.1817, 0.2782,
0.3266

0.0000, 0.0000,
0.0000

49.3692, 0.2494,
0.3232

49.3692, 0.2494,
0.3232

47.8376, 0.2401,
0.3218

51.2091, 0.2604,
0.3246

46.5870, 0.2327,
0.3204

53.3710, 0.2730,
0.3258

45.5950, 0.2272,
0.3190

55.8745, 0.2868,
0.3271

44.8331, 0.2235,
0.3177

58.7361, 0.3015,
0.3282

44.2624, 0.2215,
0.3163


61.9713, 0.3169,
0.3293

 44.1224, 0.2211,
0.3159

 65.5947, 0.3327,
0.3302

 69.6198, 0.3486,
0.3311

 70.6780, 0.3512,
0.3320

 71.0928, 0.3510,
0.3328

Harmonies

Analogous

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



49.3692, 0.2749, 0.3614



49.3692, 0.2494, 0.3232



49.3692, 0.2402, 0.2899

Triad

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



49.3692, 0.2494, 0.3232



49.3692, 0.3100, 0.2764



49.3692, 0.3795, 0.3871

Complementary

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



49.3692, 0.2494, 0.3232



25.6693, 0.4390, 0.3345

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.



49.3692, 0.3910, 0.3608



49.3692, 0.2494, 0.3232



49.3692, 0.3496, 0.2989

Square

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



49.3692, 0.2494, 0.3232



49.3692, 0.2734, 0.2658



49.3692, 0.3800, 0.3290



49.3692, 0.3499, 0.3994

Rectangle

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



49.3692, 0.2494, 0.3232



49.3692, 0.2439, 0.2749



49.3692, 0.3800, 0.3290



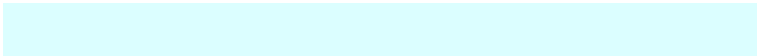
49.3692, 0.3857, 0.3794

Sweetspot

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



49.3711, 0.2494, 0.3232



92.9065, 0.2913, 0.3274



48.0143, 0.3040, 0.4722



19.6750, 0.2881, 0.3272



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.



49.3711, 0.2494, 0.3232



78.2503, 0.2397, 0.3218



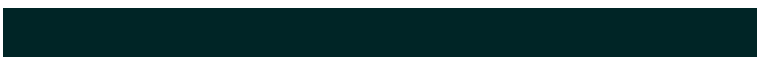
30.4816, 0.2363, 0.2513



12.6442, 0.2984, 0.3280



27.4999, 0.2212, 0.3161



1.4440, 0.2219, 0.3188

Inverse Universe

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



27.9347, 0.3223, 0.2191



39.1747, 0.3245, 0.1990



39.1254, 0.4076, 0.3945



11.3954, 0.3144, 0.3071



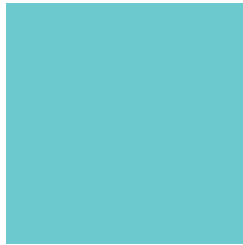
10.5791, 0.3315, 0.1600



0.5483, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 49.3692, 0.2494, 0.3232 looks on a white background.

Color Contrast Check

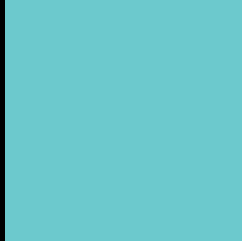
Large Text (above 18pt) WCAG AA × Fail

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 49.3692, 0.2494, 0.3232 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

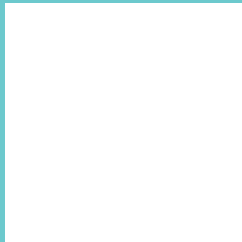
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3692, 0.2494, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 49.3692, 0.2494, 0.3232.

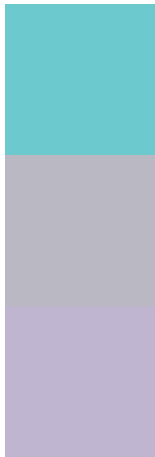


This preview shows how white text looks on a background with the Yxy color 49.3692, 0.2494, 0.3232.

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

49.3692, 0.2494, 0.3232

Protanopia

48.6602, 0.3059, 0.3151

Deuteranopia

48.8577, 0.3003, 0.2948



Tritanopia

49.1327, 0.2452, 0.3069

Trichromacy



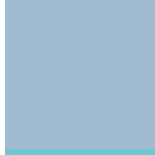
Original Color

49.3692, 0.2494, 0.3232



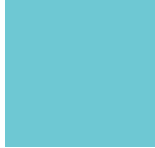
Protanomaly

48.2195, 0.2815, 0.3170



Deuteranomaly

48.0976, 0.2775, 0.3029



Tritanomaly

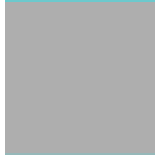
49.3267, 0.2470, 0.3136

Monochromacy



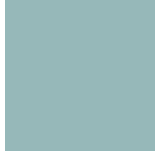
Original Color

49.3692, 0.2494, 0.3232



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.2678, 0.2847, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3692, 0.2494, 0.3232 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(108, 201, 205)` looks like.

```
.text, #text, p{  
    color:rgb(108, 201, 205)  
}
```

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(108, 201, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 201, 205) }
```

Border

The CSS property to change the border of an element to Yxy 49.3692, 0.2494, 0.3232 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(108, 201, 205) }
```

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

```
.border{ border-color:rgb(108, 201, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 201, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 201, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 201, 205);  
box-shadow:4px 4px 4px 4px rgb(108, 201,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3692, 0.2494, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 201, 205) }
```

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

```
.background{ background-color: rgb(108,  
201, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor