

# Converting Colors

$Yxy(47.5368, 0.2511, 0.3284)$

Have a look what the booklet for  
Yxy(47.5368, 0.2511, 0.3284)  
contains.

|  |    |
|--|----|
| <b>Yxy(47.5296, 0.2513, 0.3288)</b> .....      | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 27 |
| <b><i>CSS Examples</i></b> .....               | 30 |

# Color

**Yxy(47.5296, 0.2513, 0.3288)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 6AC6C6                       |
| RGB         | 106, 198, 198                |
| RGB Percent | 42%, 78%, 78%                |
| CMY         | 0.5846, 0.2235, 0.2234       |
| CMYK        | 0.47, 0.00, 0.00, 0.22       |
| HSL         | 180°, 45%, 60%               |
| HSV         | 180°, 47%, 78%               |
| XYZ         | 36.3266, 47.5296, 60.6985    |
| YIQ         | 170.4920, -54.8320, -19.5040 |

# Conversions

## Conversions Part 2

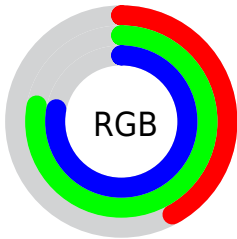
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">106, 152, 198</a>                   |
| Decimal                             | <a href="#">6997702</a>                         |
| CIELab                              | <a href="#">74.53, -27.35, -8.52</a>            |
| CIELCh                              | <a href="#">75, 28.646, 197.305</a>             |
| Yxy                                 | <a href="#">47.5296, 0.2513,<br/>0.3288</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285187782<br/>(0xFF6AC6C6)</a>     |
| YUV                                 | <a href="#">170.4920, 13.5614,<br/>-56.5595</a> |
| Hunter-Lab                          | <a href="#">68.9417, -26.5932,<br/>-3.9417</a>  |

# Details

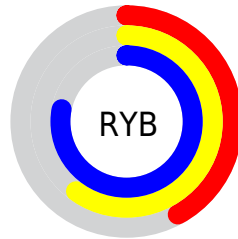
The Yxy color **47.5296, 0.2513, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.3445, 0.4380, 0.3294**, and the grayscale version is **40.4018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **22.5410, 0.2353, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **46.4549, 0.2423, 0.3288**, and if you desaturate by 10%, it is **48.8880, 0.2620, 0.3288**.

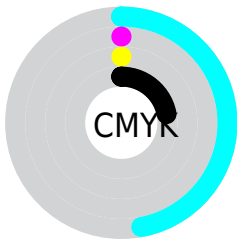
# Distribution



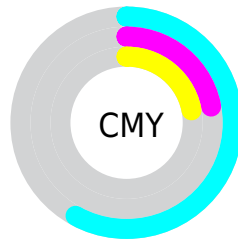
- Red (42%)
- Green (78%)
- Blue (78%)



- Red (42%)
- Yellow (60%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5296, 0.2513, 0.3288 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 47.5296, 0.2513, 0.3288 by changing the saturation by 10% instead.





 47.5296, 0.2513,  
0.3288


 47.5296, 0.2513,  
0.3288


376.9245, 0.2813,  
0.3295

 33.4545, 0.2440,  
0.3284


 86.5036, 0.2621,  
0.3292


 22.4749, 0.2348,  
0.3278


 112.1713, 0.2661,  
0.3293

 14.2062, 0.2228,  
0.3268


 142.4721, 0.2696,  
0.3294

 8.2642, 0.2066,  
0.3251

 177.7902, 0.2726,  
0.3295

 4.2645, 0.1835,  
0.3218

218.5101, 0.2752,  
0.3295

 1.8226, 0.1486,  
0.3144

265.0162, 0.2775,

 0.5012, 0.0000,

0.3295

0.3031

317.6929, 0.2795,  
0.3295

0.0000, 0.0000,  
0.0000

47.5296, 0.2513,  
0.3288

47.5296, 0.2513,  
0.3288

46.4549, 0.2423,  
0.3288

48.8880, 0.2620,  
0.3288

45.6388, 0.2353,  
0.3287

50.5424, 0.2744,  
0.3289

45.0611, 0.2301,  
0.3287


52.5106, 0.2880,  
0.3289

44.6961, 0.2268,  
0.3287


54.8079, 0.3027,  
0.3290

44.5103, 0.2251,  
0.3287


57.4483, 0.3182,  
0.3290

 44.4652, 0.2246,  
0.3287

 60.4451, 0.3341,  
0.3291

 63.8108, 0.3502,  
0.3291

 65.7407, 0.3587,  
0.3291

 65.7419, 0.3587,  
0.3291

# Harmonies

## Analogous

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



47.5296, 0.2793, 0.3673



47.5296, 0.2513, 0.3288



47.5296, 0.2393, 0.2935

# Triad

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



47.5296, 0.2513, 0.3288



47.5296, 0.3040, 0.2732



47.5296, 0.3836, 0.3847

# Complementary

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



47.5296, 0.2513, 0.3288



23.3445, 0.4380, 0.3294

# 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.



47.5296, 0.3921, 0.3566



47.5296, 0.2513, 0.3288



47.5296, 0.3445, 0.2945

# Square

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



47.5296, 0.2513, 0.3288



47.5296, 0.2682, 0.2644



47.5296, 0.3776, 0.3242



47.5296, 0.3558, 0.3999



# Rectangle

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



47.5296, 0.2513, 0.3288



47.5296, 0.2414, 0.2768



47.5296, 0.3776, 0.3242



47.5296, 0.3889, 0.3763

# Sweetspot

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



47.5314, 0.2513, 0.3288



93.8437, 0.2913, 0.3289



44.4978, 0.3059, 0.4738



19.9063, 0.2882, 0.3289



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.



47.5314, 0.2513, 0.3288



82.1862, 0.2421, 0.3288



29.5874, 0.2386, 0.2581



12.0673, 0.2984, 0.3290



28.9095, 0.2246, 0.3287



1.3689, 0.2246, 0.3287



# Inverse Universe

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



26.3806, 0.3180, 0.2171



40.1113, 0.3189, 0.1965



35.4972, 0.4073, 0.3895



10.8166, 0.3138, 0.3062



10.4584, 0.3210, 0.1542

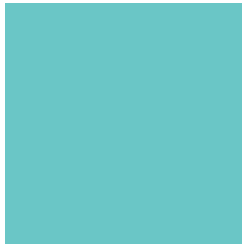


0.4952, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 47.5296, 0.2513, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

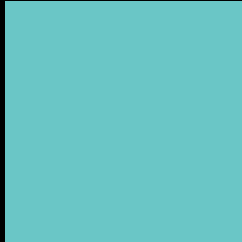
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5296, 0.2513, 0.3288 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

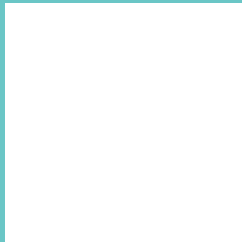
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.5296, 0.2513, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.5296, 0.2513, 0.3288.

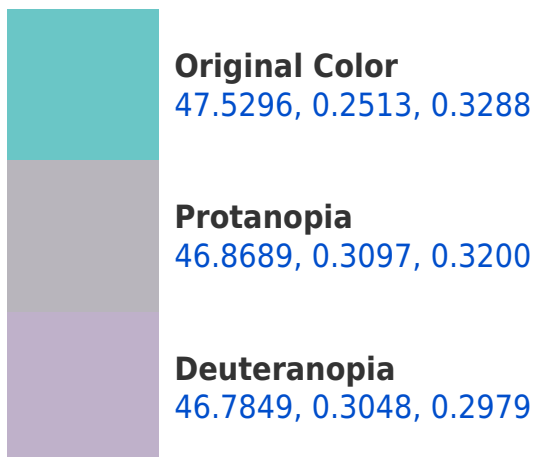


This preview shows how white text looks on a background with the Yxy color 47.5296, 0.2513, 0.3288.

# 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





## Tritanopia

47.5483, 0.2454, 0.3066

# Trichromacy



## Original Color

47.5296, 0.2513, 0.3288

## Protanomaly

46.4143, 0.2845, 0.3222

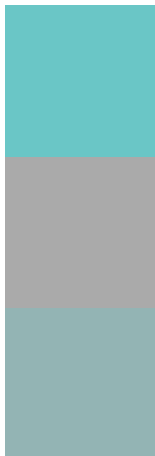
## Deuteranomaly

46.3886, 0.2812, 0.3077

## Tritanomaly

47.6887, 0.2478, 0.3148

# Monochromacy



## Original Color

47.5296, 0.2513, 0.3288

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

42.1408, 0.2856, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5296, 0.2513, 0.3288 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(106, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(106, 198, 198)  
}
```

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(106, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 198, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5296, 0.2513, 0.3288 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(106, 198, 198) }
```

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

```
.border{ border-color:rgb(106, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 198, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 198, 198); box-shadow:4px 4px 4px 4px rgb(106, 198, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5296, 0.2513, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 198, 198) }
```

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

```
.background{ background-color: rgb(106,  
198, 198) }
```

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