

# Converting Colors

$Yxy(45.9889, 0.2472, 0.3133)$

Have a look what the booklet for  
Yxy(45.9889, 0.2472, 0.3133)  
contains.

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# Color

**Yxy(46.1172, 0.2471, 0.3132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BC2CD
RGB	107, 194, 205
RGB Percent	42%, 76%, 80%
CMY	0.5800, 0.2393, 0.1961
CMYK	0.48, 0.05, 0.00, 0.20
HSL	187°, 49%, 61%
HSV	187°, 48%, 80%
XYZ	36.3843, 46.1172, 64.7437
YIQ	169.2410, -55.3830, -15.0230

# Conversions

## Conversions Part 2

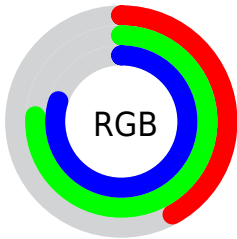
Format	Color
<a href="#">RYB</a>	<a href="#">107, 153, 205</a>
Decimal	<a href="#">7062221</a>
CIELab	<a href="#">73.62, -23.25, -13.66</a>
CIELCh	<a href="#">74, 26.969, 210.433</a>
Yxy	<a href="#">46.1172, 0.2471, 0.3132</a>
Android (android.graphics.Color)	<a href="#">4285252301</a> ( <a href="#">0xFF6BC2CD</a> )
YUV	<a href="#">169.2410, 17.6292, -54.5854</a>
Hunter-Lab	<a href="#">67.9096, -23.2060, -8.9892</a>

# Details

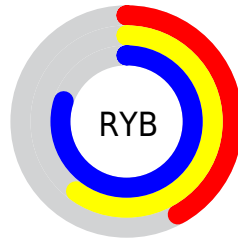
The Yxy color **46.1172, 0.2471, 0.3132** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.0299, 0.4362, 0.3434**, and the grayscale version is **39.7464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1069, 0.2618, 0.3244**, and **21.5949, 0.2294, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **43.9750, 0.2370, 0.3094**, and if you desaturate by 10%, it is **48.5802, 0.2588, 0.3169**.

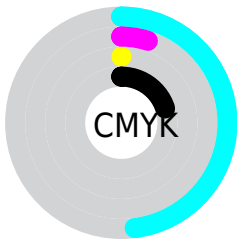
# Distribution



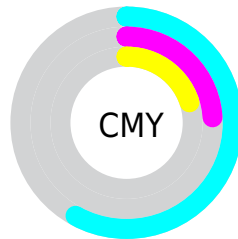
- Red (42%)
- Green (76%)
- Blue (80%)



- Red (42%)
- Yellow (60%)
- Blue (80%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)




- Cyan (58%)
- Magenta (24%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1172, 0.2471, 0.3132 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 46.1172, 0.2471, 0.3132 by changing the saturation by 10% instead.





 46.1172, 0.2471,  
0.3132


 46.1172, 0.2471,  
0.3132


371.2796, 0.2792,  
0.3219

 32.3383, 0.2393,  
0.3108


 84.3944, 0.2586,  
0.3165


 21.6200, 0.2296,  
0.3076


 109.6614, 0.2629,  
0.3177

 13.5780, 0.2168,  
0.3032


 139.5267, 0.2667,  
0.3187

 7.8277, 0.1996,  
0.2966

 174.3746, 0.2699,  
0.3195

 3.9849, 0.1754,  
0.2862

214.5894, 0.2726,  
0.3203

 1.6651, 0.1391,  
0.2676

260.5556, 0.2751,

 0.4009, 0.0000,

0.3209

0.2157

312.6575, 0.2773,  
0.3214

0.0000, 0.0000,  
0.0000

46.1172, 0.2471,  
0.3132

46.1172, 0.2471,  
0.3132

43.9750, 0.2370,  
0.3094

48.5802, 0.2588,  
0.3169

42.1266, 0.2288,  
0.3055

51.3782, 0.2718,  
0.3204

40.5491, 0.2225,  
0.3015

54.5309, 0.2859,  
0.3237


39.2139, 0.2180,  
0.2976

58.0550, 0.3008,  
0.3268

38.0798, 0.2152,  
0.2938

61.9660, 0.3162,  
0.3296

 37.8375, 0.2147,  
0.2929

 66.2784, 0.3318,  
0.3321

 71.0061, 0.3473,  
0.3344

 72.9773, 0.3503,  
0.3367

 74.1421, 0.3498,  
0.3390

# Harmonies

## Analogous

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



46.1172, 0.2677, 0.3499



46.1172, 0.2471, 0.3132



46.1172, 0.2431, 0.2841

# Triad

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



46.1172, 0.2471, 0.3132



46.1172, 0.3214, 0.2833



46.1172, 0.3705, 0.3904

# Complementary

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



46.1172, 0.2471, 0.3132



27.0299, 0.4362, 0.3434

# 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.



46.1172, 0.3873, 0.3681



46.1172, 0.2471, 0.3132



46.1172, 0.3583, 0.3079

# Square

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



46.1172, 0.2471, 0.3132



46.1172, 0.2841, 0.2693



46.1172, 0.3830, 0.3381



46.1172, 0.3385, 0.3967



# Rectangle

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



46.1172, 0.2471, 0.3132



46.1172, 0.2500, 0.2724



46.1172, 0.3830, 0.3381



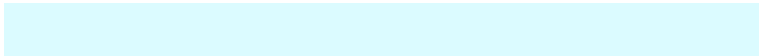
46.1172, 0.3782, 0.3844

# Sweetspot

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



46.1190, 0.2471, 0.3132



91.3102, 0.2912, 0.3249



48.0794, 0.3002, 0.4639



19.2815, 0.2880, 0.3242



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.



46.1190, 0.2471, 0.3132



72.0371, 0.2371, 0.3094



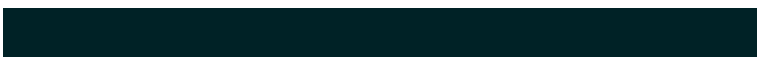
28.1807, 0.2336, 0.2401



12.5030, 0.2983, 0.3263



23.6419, 0.2149, 0.2935



1.2825, 0.2170, 0.3010



# Inverse Universe

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



27.4124, 0.3299, 0.2251



38.5474, 0.3343, 0.2068



41.2602, 0.4046, 0.4028



11.3812, 0.3155, 0.3087



10.1897, 0.3512, 0.1708

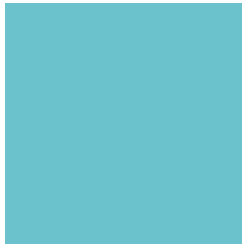


0.5320, 0.3445, 0.1672



# Previews

## White Background



This preview shows how the Yxy color 46.1172, 0.2471, 0.3132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

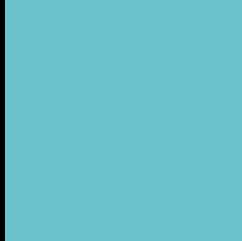
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.1172, 0.2471, 0.3132 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 46.1172, 0.2471, 0.3132**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.1172, 0.2471, 0.3132.



This preview shows how white text looks on a background with the Yxy color 46.1172, 0.2471, 0.3132.

# 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

46.1172, 0.2471, 0.3132

### Protanopia

45.7640, 0.3002, 0.3083

### Deuteranopia

45.7214, 0.2929, 0.2876



## Tritanopia

45.9315, 0.2452, 0.3063

# Trichromacy



**Original Color**

46.1172, 0.2471, 0.3132

**Protanomaly**

45.1768, 0.2773, 0.3086

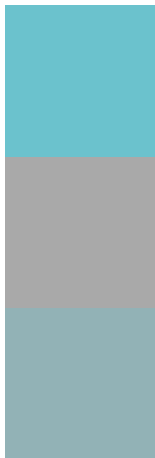
**Deuteranomaly**

45.3896, 0.2726, 0.2958

**Tritanomaly**

45.8821, 0.2457, 0.3077

# Monochromacy



**Original Color**

46.1172, 0.2471, 0.3132

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

41.3292, 0.2832, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1172, 0.2471, 0.3132 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(107, 194, 205)` looks like.

```
.text, #text, p{  
    color:rgb(107, 194, 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(107, 194, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 194, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1172, 0.2471, 0.3132 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(107, 194, 205) }
```

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

```
.border{ border-color:rgb(107, 194, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 194, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 194, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 194, 205);  
box-shadow:4px 4px 4px 4px rgb(107, 194,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1172, 0.2471, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 194, 205) }
```

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

```
.background{ background-color: rgb(107,  
194, 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](#).

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