

# Converting Colors

$Yxy(44.5588, 0.2482, 0.3125)$

Have a look what the booklet for  
Yxy(44.5588, 0.2482, 0.3125)  
contains.

<b>Yxy(44.7140, 0.2484, 0.3131)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.7140, 0.2484, 0.3131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CBFCA
RGB	108, 191, 202
RGB Percent	42%, 75%, 79%
CMY	0.5764, 0.2510, 0.2079
CMYK	0.47, 0.05, 0.00, 0.21
HSL	187°, 47%, 61%
HSV	187°, 47%, 79%
XYZ	35.4742, 44.7140, 62.6224
YIQ	167.4370, -52.9990, -14.1750

# Conversions

## Conversions Part 2

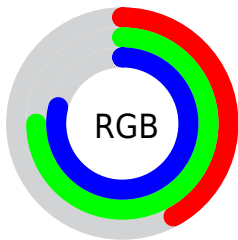
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 152, 202
Decimal	7126986
CIELab	72.70, -22.35, -13.39
CIELCh	73, 26.051, 210.923
Yxy	44.7140, 0.2484, 0.3131
Android (android.graphics.Color)	4285317066 (0xFF6CBFCA)
YUV	167.4370, 17.0396, -52.1262
Hunter-Lab	66.8685, -22.3246, -8.7172

# Details

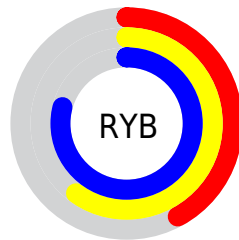
The Yxy color **44.7140, 0.2484, 0.3131** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.8260, 0.4310, 0.3436**, and the grayscale version is **38.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3541, 0.2618, 0.3211**, and **20.6824, 0.2307, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **42.5721, 0.2381, 0.3091**, and if you desaturate by 10%, it is **47.1693, 0.2603, 0.3169**.

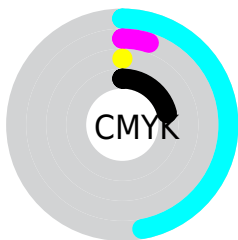
# Distribution



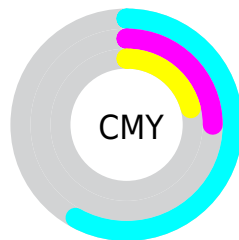
- Red (42%)
- Green (75%)
- Blue (79%)



- Red (42%)
- Yellow (60%)
- Blue (79%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)




- Cyan (58%)
- Magenta (25%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7140, 0.2484, 0.3131 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 44.7140, 0.2484, 0.3131 by changing the saturation by 10% instead.




 44.7140, 0.2484,  
0.3131


 44.7140, 0.2484,  
0.3131


365.6140, 0.2800,  
0.3218


 31.2322, 0.2407,  
0.3107


 82.2911, 0.2598,  
0.3164


 20.7757, 0.2309,  
0.3075

 107.1551, 0.2641,  
0.3177

 12.9602, 0.2182,  
0.3030


 136.5821, 0.2677,  
0.3187

 7.4011, 0.2009,  
0.2963

 170.9563, 0.2709,  
0.3195

 3.7142, 0.1763,  
0.2856

210.6623, 0.2736,  
0.3202

 1.5150, 0.1391,  
0.2663

256.0843, 0.2760,

 0.2993, 0.0000,

0.3208

0.1879

307.6067, 0.2781,  
0.3214

0.0000, 0.0000,  
0.0000

44.7140, 0.2484,  
0.3131

44.7140, 0.2484,  
0.3131

42.5721, 0.2381,  
0.3091

47.1693, 0.2603,  
0.3169

40.7177, 0.2295,  
0.3051

49.9514, 0.2735,  
0.3205

39.1293, 0.2229,  
0.3010


53.0791, 0.2878,  
0.3240

37.7798, 0.2182,  
0.2969

56.5685, 0.3027,  
0.3271


36.6342, 0.2152,  
0.2929

60.4342, 0.3181,  
0.3300

 36.2606, 0.2143,  
0.2915

 64.6904, 0.3337,  
0.3326

 69.3502, 0.3491,  
0.3349

 71.5527, 0.3530,  
0.3372

 72.7249, 0.3526,  
0.3396

# Harmonies

## Analogous

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



44.7140, 0.2683, 0.3488



44.7140, 0.2484, 0.3131



44.7140, 0.2448, 0.2849

# Triad

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



44.7140, 0.2484, 0.3131



44.7140, 0.3218, 0.2847



44.7140, 0.3687, 0.3892

# Complementary

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



44.7140, 0.2484, 0.3131



26.8260, 0.4310, 0.3436

# 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.



44.7140, 0.3854, 0.3677



44.7140, 0.2484, 0.3131



44.7140, 0.3577, 0.3088

# Square

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



44.7140, 0.2484, 0.3131



44.7140, 0.2854, 0.2708



44.7140, 0.3815, 0.3385



44.7140, 0.3373, 0.3950



# Rectangle

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



44.7140, 0.2484, 0.3131



44.7140, 0.2517, 0.2735



44.7140, 0.3815, 0.3385



44.7140, 0.3763, 0.3834

# Sweetspot

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



44.7157, 0.2484, 0.3131



91.2158, 0.2912, 0.3247



46.7501, 0.2996, 0.4573



19.2583, 0.2880, 0.3240



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.



44.7157, 0.2484, 0.3131



72.0172, 0.2379, 0.3090



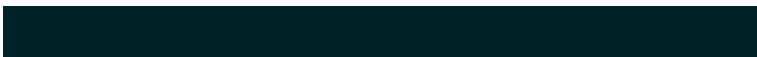
27.4082, 0.2353, 0.2405



12.4947, 0.2983, 0.3262



23.4243, 0.2145, 0.2921



1.2733, 0.2167, 0.2999



# Inverse Universe

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



27.0427, 0.3298, 0.2280



39.0848, 0.3344, 0.2090



40.8929, 0.4008, 0.4028



11.3803, 0.3155, 0.3088



10.1677, 0.3525, 0.1715

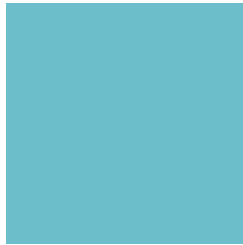


0.5311, 0.3455, 0.1677



# Previews

## White Background



This preview shows how the Yxy color 44.7140, 0.2484, 0.3131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

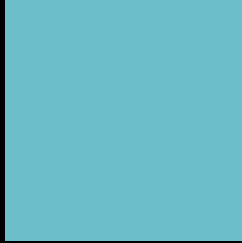
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.7140, 0.2484, 0.3131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

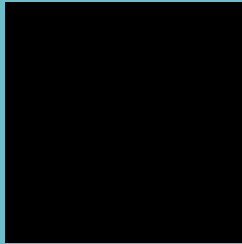
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.7140, 0.2484, 0.3131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.7140, 0.2484, 0.3131.



This preview shows how white text looks on a background with the Yxy color 44.7140, 0.2484, 0.3131.

# 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

44.7140, 0.2484, 0.3131

### Protanopia

44.1310, 0.2992, 0.3067

### Deuteranopia

44.1671, 0.2934, 0.2871



## Tritanopia

44.5344, 0.2465, 0.3061

# Trichromacy



**Original Color**

44.7140, 0.2484, 0.3131

**Protanomaly**

43.6126, 0.2775, 0.3084

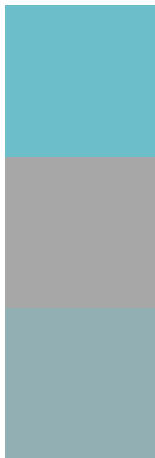
**Deuteranomaly**

43.9203, 0.2735, 0.2954

**Tritanomaly**

44.4859, 0.2470, 0.3075

# Monochromacy



**Original Color**

44.7140, 0.2484, 0.3131

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

40.4569, 0.2845, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7140, 0.2484, 0.3131 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, 191, 202)` looks like.

```
.text, #text, p{  
    color:rgb(108, 191, 202)  
}
```

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, 191, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 191, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7140, 0.2484, 0.3131 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, 191, 202) }
```

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

```
.border{ border-color:rgb(108, 191, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 191, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 191, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 191, 202);  
box-shadow:4px 4px 4px 4px rgb(108, 191,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7140, 0.2484, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 191, 202) }
```

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

```
.background{ background-color: rgb(108,  
191, 202) }
```

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