

Converting Colors

$Y_{xy}(47.5812, 0.2521, 0.3220)$

Have a look what the booklet for
Yxy(47.5812, 0.2521, 0.3220)
contains.

Yxy(47.6415, 0.2520, 0.3218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.6415, 0.2520, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	70C5CA
RGB	112, 197, 202
RGB Percent	44%, 77%, 79%
CMY	0.5608, 0.2274, 0.2079
CMYK	0.45, 0.02, 0.00, 0.21
HSL	183°, 46%, 62%
HSV	183°, 45%, 79%
XYZ	37.3078, 47.6415, 63.0976
YIQ	172.1550, -52.2650, -16.4650

Conversions

Conversions Part 2

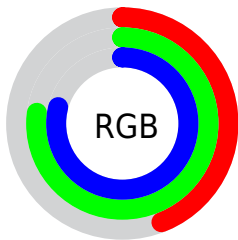
Format	Color
RYB	112, 156, 202
Decimal	7390666
CIELab	74.60, -24.42, -10.54
CIELCh	75, 26.595, 203.346
Yxy	47.6415, 0.2520, 0.3218
Android (android.graphics.Color)	4285580746 (0xFF70C5CA)
YUV	172.1550, 14.7136, -52.7559
Hunter-Lab	69.0228, -24.3081, -5.8843

Details

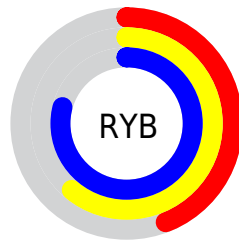
The Yxy color **47.6415, 0.2520, 0.3218** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.4446, 0.4272, 0.3358**, and the grayscale version is **41.2825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5386, 0.2646, 0.3278**, and **22.5673, 0.2359, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **45.9575, 0.2421, 0.3200**, and if you desaturate by 10%, it is **49.6301, 0.2636, 0.3236**.

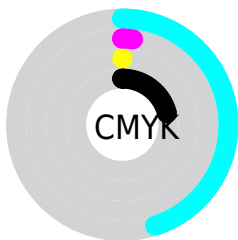
Distribution



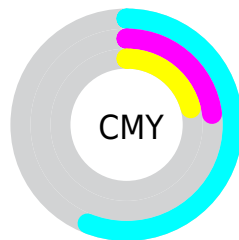
- Red (44%)
- Green (77%)
- Blue (79%)



- Red (44%)
- Yellow (61%)
- Blue (79%)



- Cyan (45%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)





- Cyan (56%)
- Magenta (23%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6415, 0.2520, 0.3218 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 47.6415, 0.2520, 0.3218 by changing the saturation by 10% instead.


 47.6415, 0.2520,
0.3218


 47.6415, 0.2520,
0.3218


377.3694, 0.2816,
0.3261


 33.5431, 0.2448,
0.3205


 86.6704, 0.2626,
0.3235

 22.5428, 0.2358,
0.3188


 112.3696, 0.2666,
0.3241

 14.2563, 0.2240,
0.3164


 142.7046, 0.2701,
0.3246

 8.2991, 0.2081,
0.3126

178.0597, 0.2730,
0.3250

 4.2869, 0.1855,
0.3064

218.8194, 0.2756,
0.3253

 1.8353, 0.1515,
0.2946

265.3679, 0.2779,

 0.5091, 0.0000,

0.3256

0.2769

318.0898, 0.2799,
0.3258

0.0000, 0.0000,
0.0000

47.6415, 0.2520,
0.3218

47.6415, 0.2520,
0.3218

45.9575, 0.2421,
0.3200

49.6301, 0.2636,
0.3236

44.5525, 0.2339,
0.3181

51.9361, 0.2766,
0.3253

43.4058, 0.2277,
0.3162

54.5780, 0.2907,
0.3269

42.4910, 0.2234,
0.3144


57.5716, 0.3057,
0.3284


41.7766, 0.2208,
0.3125


60.9314, 0.3212,
0.3297

 41.4392, 0.2199,
0.3115

 64.6711, 0.3370,
0.3310

 68.8039, 0.3528,
0.3321

 69.6432, 0.3538,
0.3332

 70.1835, 0.3536,
0.3343

Harmonies

Analogous

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



47.6415, 0.2755, 0.3577



47.6415, 0.2520, 0.3218



47.6415, 0.2441, 0.2909

Triad

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



47.6415, 0.2520, 0.3218



47.6415, 0.3122, 0.2801



47.6415, 0.3746, 0.3850

Complementary

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



47.6415, 0.2520, 0.3218



26.4446, 0.4272, 0.3358

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.



47.6415, 0.3864, 0.3608



47.6415, 0.2520, 0.3218



47.6415, 0.3493, 0.3020

Square

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



47.6415, 0.2520, 0.3218



47.6415, 0.2773, 0.2693



47.6415, 0.3771, 0.3308



47.6415, 0.3462, 0.3953

Rectangle

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



47.6415, 0.2520, 0.3218



47.6415, 0.2482, 0.2771



47.6415, 0.3771, 0.3308



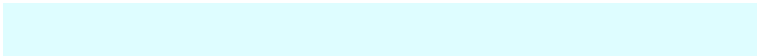
47.6415, 0.3807, 0.3780

Sweetspot

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



47.6434, 0.2520, 0.3218



93.0803, 0.2927, 0.3271



46.9528, 0.3036, 0.4601



19.6940, 0.2895, 0.3267



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.



47.6434, 0.2520, 0.3218



78.0402, 0.2428, 0.3201



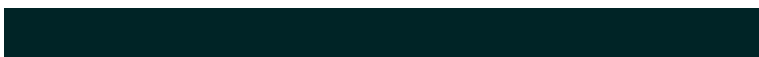
30.3271, 0.2404, 0.2544



12.6164, 0.2984, 0.3277



26.7134, 0.2199, 0.3118



1.4113, 0.2209, 0.3154

Inverse Universe

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



28.1758, 0.3230, 0.2262



41.4042, 0.3253, 0.2079



39.3880, 0.3998, 0.3926



11.3926, 0.3146, 0.3074



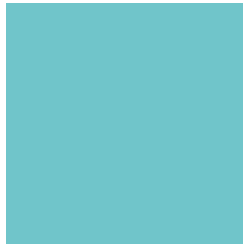
10.4997, 0.3352, 0.1620



0.5450, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 47.6415, 0.2520, 0.3218 looks on a white background.

Color Contrast Check

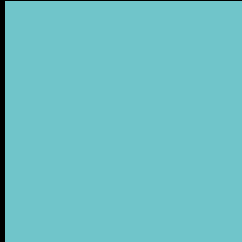
Large Text (above 18pt) WCAG AA × Fail

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 47.6415, 0.2520, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

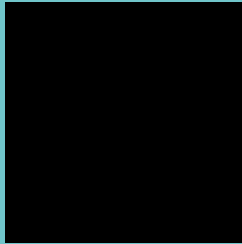
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

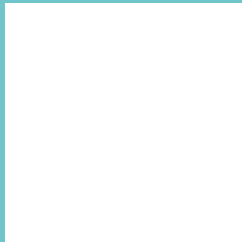
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6415, 0.2520, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 47.6415, 0.2520, 0.3218.

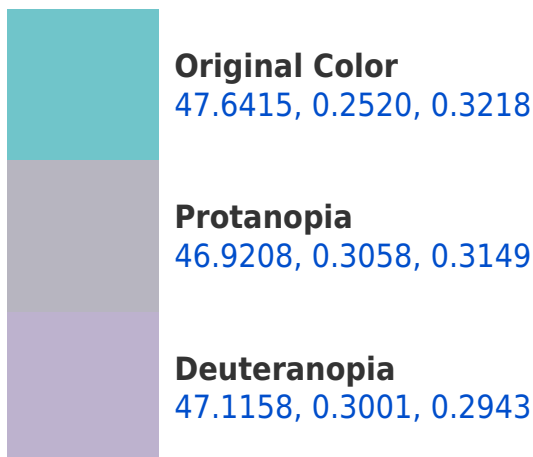


This preview shows how white text looks on a background with the Yxy color 47.6415, 0.2520, 0.3218.

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

47.8278, 0.2485, 0.3081

Trichromacy



Original Color

47.6415, 0.2520, 0.3218

Protanomaly

46.6943, 0.2825, 0.3168

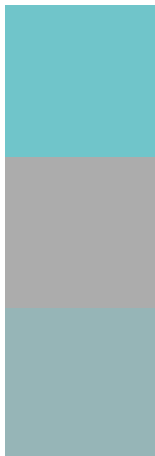
Deuteranomaly

46.6828, 0.2792, 0.3026

Tritanomaly

47.6113, 0.2495, 0.3121

Monochromacy



Original Color

47.6415, 0.2520, 0.3218

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.9507, 0.2859, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6415, 0.2520, 0.3218 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(112, 197, 202)` looks like.

```
.text, #text, p{  
    color:rgb(112, 197, 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(112, 197, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 197, 202) }
```

Border

The CSS property to change the border of an element to Yxy 47.6415, 0.2520, 0.3218 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(112, 197, 202) }
```

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

```
.border{ border-color:rgb(112, 197, 202) }
```

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

Here you see how a box with a 4 pixel rgb(112, 197, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 197, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 197, 202);  
box-shadow:4px 4px 4px 4px rgb(112, 197,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6415, 0.2520, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 197, 202) }
```

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

```
.background{ background-color: rgb(112,  
197, 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