

Converting Colors

$Yxy(41.7616, 0.2280, 0.2948)$

Have a look what the booklet for
Yxy(41.7616, 0.2280, 0.2948)
contains.

Yxy(41.6496, 0.2283, 0.2950)	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(41.6496, 0.2283, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	4ABBD2
RGB	74, 187, 210
RGB Percent	29%, 73%, 82%
CMY	0.7093, 0.2667, 0.1765
CMYK	0.65, 0.11, 0.00, 0.18
HSL	190°, 60%, 56%
HSV	190°, 65%, 82%
XYZ	32.2326, 41.6496, 67.3029
YIQ	155.8350, -74.7310, -16.8030

Conversions

Conversions Part 2

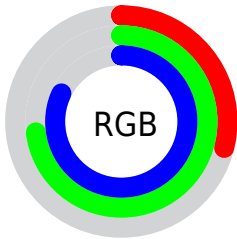
Format	Color
RYB	74, 136, 210
Decimal	4897746
CIELab	70.63, -24.72, -21.01
CIELCh	71, 32.444, 220.356
Yxy	41.6496, 0.2283, 0.2950
Android (android.graphics.Color)	4283087826 (0xFF4ABBD2)
YUV	155.8350, 26.7033, -71.7693
Hunter-Lab	64.5365, -23.7876, -16.6560

Details

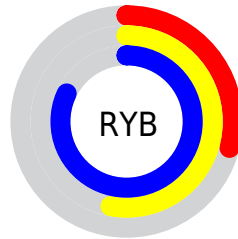
The Yxy color **41.6496, 0.2283, 0.2950** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **22.7674, 0.5010, 0.3553**, and the grayscale version is **33.0872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6395, 0.2484, 0.3150**, and **19.1416, 0.2122, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **39.4614, 0.2206, 0.2889**, and if you desaturate by 10%, it is **44.1564, 0.2379, 0.3010**.

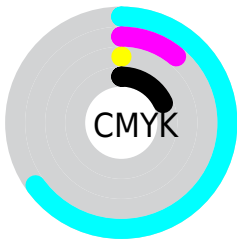
Distribution



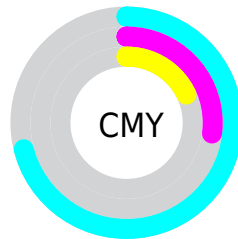
- Red (29%)
- Green (73%)
- Blue (82%)



- Red (29%)
- Yellow (53%)
- Blue (82%)



- Cyan (65%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)





- Cyan (71%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6496, 0.2283, 0.2950 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 41.6496, 0.2283, 0.2950 by changing the saturation by 10% instead.


 41.6496, 0.2283,
0.2950

 41.6496, 0.2283,
0.2950


353.0283, 0.2698,
0.3134


 28.8270, 0.2183,
0.2900


 77.6690, 0.2431,
0.3020


 18.9500, 0.2057,
0.2835


 101.6347, 0.2488,
0.3045

 11.6342, 0.1893,
0.2744


 130.0835, 0.2536,
0.3066

 6.4951, 0.1676,
0.2614

 163.3998, 0.2577,
0.3084

 3.1484, 0.1375,
0.2411

201.9680, 0.2613,
0.3099

 1.2097, 0.0887,
0.2084

246.1726, 0.2645,

 0.0696, 0.0000,

0.3112

0.0400

296.3979, 0.2673,
0.3124

0.0000, 0.0000,
0.0000

41.6496, 0.2283,
0.2950

41.6496, 0.2283,
0.2950

39.4614, 0.2206,
0.2889

44.1564, 0.2379,
0.3010

37.5580, 0.2148,
0.2828

47.0025, 0.2491,
0.3068

35.9055, 0.2109,
0.2768

50.2117, 0.2618,
0.3124

35.0978, 0.2093,
0.2736

53.8045, 0.2757,
0.3176

57.7995, 0.2903,
0.3225

■ 62.2142, 0.3055,
0.3270

■ 67.0650, 0.3209,
0.3311

■ 72.3672, 0.3363,
0.3348

■ 76.5636, 0.3454,
0.3382

Harmonies

Analogous

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



41.6496, 0.2466, 0.3392



41.6496, 0.2283, 0.2950



41.6496, 0.2305, 0.2651

Triad

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



41.6496, 0.2283, 0.2950



41.6496, 0.3391, 0.2818



41.6496, 0.3722, 0.4105

Complementary

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



41.6496, 0.2283, 0.2950



22.7674, 0.5010, 0.3553

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.



41.6496, 0.4010, 0.3870



41.6496, 0.2283, 0.2950



41.6496, 0.3820, 0.3143

Square

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



41.6496, 0.2283, 0.2950



41.6496, 0.2914, 0.2601



41.6496, 0.4052, 0.3517



41.6496, 0.3285, 0.4113

Rectangle

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



41.6496, 0.2283, 0.2950



41.6496, 0.2431, 0.2554



41.6496, 0.4052, 0.3517



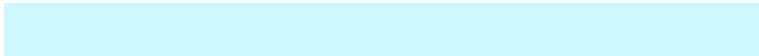
41.6496, 0.3840, 0.4047

Sweetspot

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



41.6511, 0.2283, 0.2950



86.8202, 0.2836, 0.3204



48.4058, 0.2933, 0.5066



18.2031, 0.2794, 0.3190



0.0000, 0.0000, 0.0000



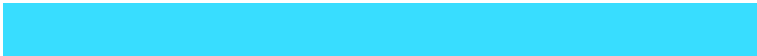
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.6511, 0.2283, 0.2950



59.9554, 0.2180, 0.2864



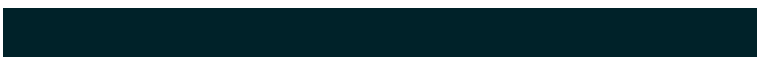
19.4058, 0.2028, 0.1864



13.0523, 0.2983, 0.3250



21.5411, 0.2096, 0.2745



1.2968, 0.2127, 0.2855

Inverse Universe

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



22.2018, 0.3471, 0.2028



29.3366, 0.3564, 0.1875



40.9978, 0.4363, 0.4340



11.9733, 0.3163, 0.3099



10.2459, 0.3686, 0.1804



0.5822, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 41.6496, 0.2283, 0.2950 looks on a white background.

Color Contrast Check

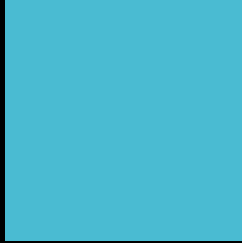
Large Text (above 18pt) WCAG AA × Fail

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 41.6496, 0.2283, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

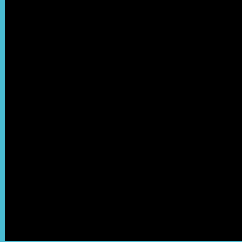
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6496, 0.2283, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 41.6496, 0.2283, 0.2950.



This preview shows how white text looks on a background with the Yxy color 41.6496, 0.2283, 0.2950.

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

41.6496, 0.2283, 0.2950

Protanopia

40.9800, 0.2862, 0.2902

Deuteranopia

40.9673, 0.2752, 0.2693



Tritanopia

41.6178, 0.2308, 0.3063

Trichromacy



Original Color

41.6496, 0.2283, 0.2950

Protanomaly

40.3490, 0.2594, 0.2909

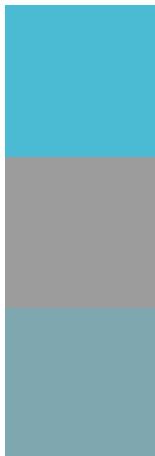
Deuteranomaly

40.4506, 0.2530, 0.2765

Tritanomaly

41.8004, 0.2298, 0.3021

Monochromacy



Original Color

41.6496, 0.2283, 0.2950

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.2076, 0.2708, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6496, 0.2283, 0.2950 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(74, 187, 210)` looks like.

```
.text, #text, p{  
    color:rgb(74, 187, 210)  
}
```

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(74, 187, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 187, 210) }
```

Border

The CSS property to change the border of an element to Yxy 41.6496, 0.2283, 0.2950 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(74, 187, 210) }
```

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

```
.border{ border-color:rgb(74, 187, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 187, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 187, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 187, 210);  
box-shadow:4px 4px 4px 4px rgb(74, 187,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6496, 0.2283, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 187, 210) }
```

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

```
.background{ background-color: rgb(74, 187,  
210) }
```

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