

Converting Colors

$Y_{xy}(45.8526, 0.2330, 0.3110)$

Have a look what the booklet for
Yxy(45.8526, 0.2330, 0.3110)
contains.

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Color

Yxy(45.6198, 0.2326, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	4CC4D1
RGB	76, 196, 209
RGB Percent	30%, 77%, 82%
CMY	0.7018, 0.2314, 0.1805
CMYK	0.64, 0.06, 0.00, 0.18
HSL	186°, 59%, 56%
HSV	186°, 64%, 82%
XYZ	34.2296, 45.6198, 67.3113
YIQ	161.6020, -75.6930, -21.3970

Conversions

Conversions Part 2

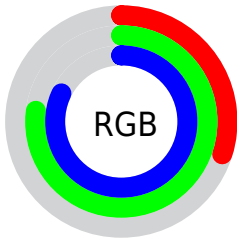
Format	Color
RYB	76, 139, 209
Decimal	5031121
CIELab	73.30, -29.17, -16.41
CIElCh	73, 33.473, 209.362
Yxy	45.6198, 0.2326, 0.3100
Android (android.graphics.Color)	4283221201 (0xFF4CC4D1)
YUV	161.6020, 23.3672, -75.0730
Hunter-Lab	67.5424, -27.7379, -11.8074

Details

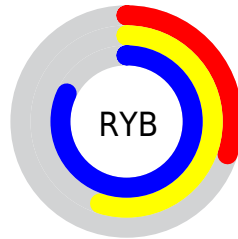
The Yxy color **45.6198, 0.2326, 0.3100** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.2248, 0.5052, 0.3440**, and the grayscale version is **35.8569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9595, 0.2512, 0.3266**, and **21.7126, 0.2175, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **43.9851, 0.2257, 0.3066**, and if you desaturate by 10%, it is **47.5484, 0.2414, 0.3134**.

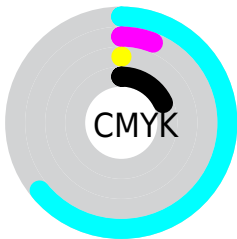
Distribution



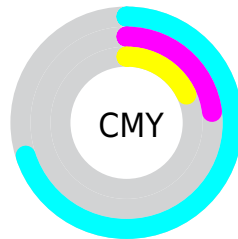
- Red (30%)
- Green (77%)
- Blue (82%)



- Red (30%)
- Yellow (55%)
- Blue (82%)



- Cyan (64%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)





- Cyan (70%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6198, 0.2326, 0.3100 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 45.6198, 0.2326, 0.3100 by changing the saturation by 10% instead.


 45.6198, 0.2326,
0.3100

 45.6198, 0.2326,
0.3100


369.2780, 0.2716,
0.3207


 31.9459, 0.2233,
0.3070


 83.6497, 0.2465,
0.3141


 21.3202, 0.2116,
0.3030


 108.7745, 0.2518,
0.3156

 13.3582, 0.1965,
0.2974


 138.4851, 0.2563,
0.3168

 7.6757, 0.1764,
0.2891

 173.1658, 0.2602,
0.3178

 3.8881, 0.1487,
0.2758

213.2010, 0.2636,
0.3187

 1.6112, 0.1077,
0.2526

258.9752, 0.2666,

 0.3651, 0.0000,

0.3195

0.1795

310.8727, 0.2692,
0.3201

0.0000, 0.0000,
0.0000

45.6198, 0.2326,
0.3100

45.6198, 0.2326,
0.3100

43.9851, 0.2257,
0.3066

47.5484, 0.2414,
0.3134

42.6110, 0.2207,
0.3032

49.7902, 0.2520,
0.3166

41.4654, 0.2175,
0.2999

52.3686, 0.2642,
0.3198

40.8153, 0.2161,
0.2978

55.3032, 0.2776,
0.3228

58.6122, 0.2920,
0.3256

■ 62.3126, 0.3071,
0.3281

■ 66.4202, 0.3227,
0.3305

■ 70.9499, 0.3383,
0.3326

■ 74.1426, 0.3470,
0.3346

Harmonies

Analogous

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



45.6198, 0.2580, 0.3566



45.6198, 0.2326, 0.3100



45.6198, 0.2272, 0.2739

Triad

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



45.6198, 0.2326, 0.3100



45.6198, 0.3214, 0.2723



45.6198, 0.3851, 0.4040

Complementary

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



45.6198, 0.2326, 0.3100



21.2248, 0.5052, 0.3440

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.



45.6198, 0.4058, 0.3749



45.6198, 0.2326, 0.3100



45.6198, 0.3679, 0.3014

Square

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



45.6198, 0.2326, 0.3100



45.6198, 0.2755, 0.2558



45.6198, 0.3998, 0.3379



45.6198, 0.3455, 0.4143

Rectangle

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



45.6198, 0.2326, 0.3100



45.6198, 0.2351, 0.2596



45.6198, 0.3998, 0.3379



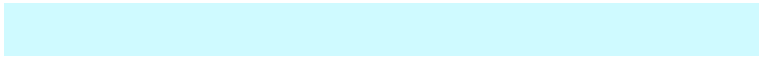
45.6198, 0.3946, 0.3958

Sweetspot

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



45.6215, 0.2326, 0.3100



88.9590, 0.2838, 0.3240



47.8213, 0.2985, 0.5189



18.7271, 0.2797, 0.3232



0.0000, 0.0000, 0.0000



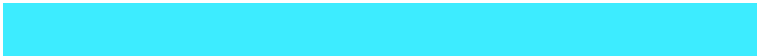
21.4041, 0.3127, 0.3290

Same Dimension

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



45.6215, 0.2326, 0.3100



68.2523, 0.2238, 0.3055



22.4912, 0.2087, 0.2071



13.2015, 0.2983, 0.3267



25.2510, 0.2162, 0.2983



1.4704, 0.2179, 0.3044

Inverse Universe

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



22.7138, 0.3345, 0.1956



30.6793, 0.3395, 0.1794



37.0524, 0.4438, 0.4207



11.9883, 0.3152, 0.3083



10.6204, 0.3469, 0.1685



0.5997, 0.3416, 0.1655

Previews

White Background



This preview shows how the Yxy color 45.6198, 0.2326, 0.3100 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 45.6198, 0.2326, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

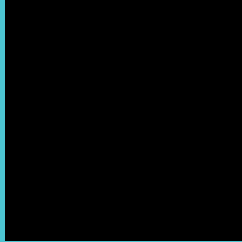
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6198, 0.2326, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 45.6198, 0.2326, 0.3100.

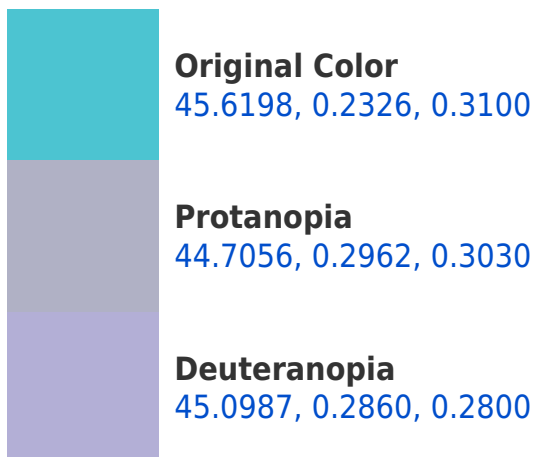


This preview shows how white text looks on a background with the Yxy color 45.6198, 0.2326, 0.3100.

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

45.7608, 0.2320, 0.3072

Trichromacy



Original Color

45.6198, 0.2326, 0.3100



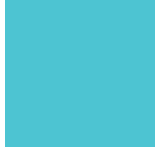
Protanomaly

44.0735, 0.2668, 0.3054



Deuteranomaly

44.3712, 0.2611, 0.2898



Tritanomaly

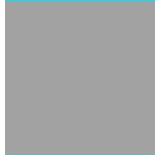
45.7108, 0.2325, 0.3086

Monochromacy



Original Color

45.6198, 0.2326, 0.3100



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.3521, 0.2735, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6198, 0.2326, 0.3100 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(76, 196, 209)` looks like.

```
.text, #text, p{  
    color:rgb(76, 196, 209)  
}
```

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(76, 196, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 196, 209) }
```

Border

The CSS property to change the border of an element to Yxy 45.6198, 0.2326, 0.3100 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(76, 196, 209) }
```

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

```
.border{ border-color:rgb(76, 196, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 196, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 196, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 196, 209);  
box-shadow:4px 4px 4px 4px rgb(76, 196,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6198, 0.2326, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 196, 209) }
```

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

```
.background{ background-color: rgb(76, 196,  
209) }
```

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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