

Converting Colors

$Y_{xy}(42.7920, 0.2538, 0.3220)$

Have a look what the booklet for
Yxy(42.7920, 0.2538, 0.3220)
contains.

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Color

Yxy(42.5976, 0.2535, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	6DBBC0
RGB	109, 187, 192
RGB Percent	43%, 73%, 75%
CMY	0.5726, 0.2666, 0.2471
CMYK	0.43, 0.03, 0.00, 0.25
HSL	184°, 40%, 59%
HSV	184°, 43%, 75%
XYZ	33.5878, 42.5976, 56.3110
YIQ	164.2480, -48.0930, -14.9810

Conversions

Conversions Part 2

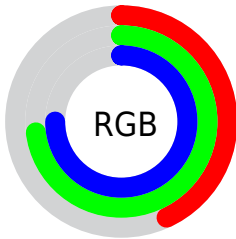
Format	Color
R _Y B	109, 149, 192
Decimal	7191488
CIE Lab	71.28, -22.72, -10.05
CIE LCh	71, 24.840, 203.871
Yxy	42.5976, 0.2535, 0.3215
Android (android.graphics.Color)	4285381568 (0xFF6DBBC0)
YUV	164.2480, 13.6817, -48.4525
Hunter-Lab	65.2668, -22.3567, -5.4675

Details

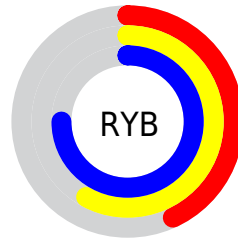
The Yxy color **42.5976, 0.2535, 0.3215** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.3330, 0.4214, 0.3361**, and the grayscale version is **37.1977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8778, 0.2644, 0.3232**, and **19.6443, 0.2367, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **41.0256, 0.2433, 0.3195**, and if you desaturate by 10%, it is **44.4427, 0.2653, 0.3234**.

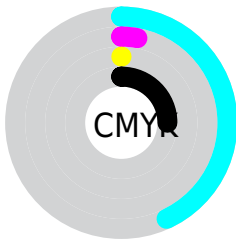
Distribution



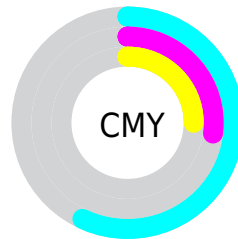
- Red (43%)
- Green (73%)
- Blue (75%)



- Red (43%)
- Yellow (58%)
- Blue (75%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)




- Cyan (57%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5976, 0.2535, 0.3215 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 42.5976, 0.2535, 0.3215 by changing the saturation by 10% instead.


 42.5976, 0.2535,
0.3215

 42.5976, 0.2535,
0.3215


356.9543, 0.2830,
0.3259

 29.5695, 0.2462,
0.3202


 79.1033, 0.2642,
0.3233

 19.5121, 0.2369,
0.3183


 103.3496, 0.2682,
0.3239

 12.0409, 0.2246,
0.3157


 132.1042, 0.2716,
0.3244

 6.7715, 0.2077,
0.3115

165.7514, 0.2745,
0.3248

 3.3196, 0.1831,
0.3044

204.6757, 0.2771,
0.3252

 1.3008, 0.1416,
0.2913

249.2613, 0.2793,

 0.1418, 0.0000,

0.3255

0.1420

299.8927, 0.2812,
0.3257

0.0000, 0.0000,
0.0000

42.5976, 0.2535,
0.3215

42.5976, 0.2535,
0.3215

41.0256, 0.2433,
0.3195

44.4427, 0.2653,
0.3234

39.7043, 0.2349,
0.3175

46.5718, 0.2785,
0.3252

38.6156, 0.2283,
0.3155


49.0014, 0.2927,
0.3269


37.7371, 0.2237,
0.3135

51.7450, 0.3077,
0.3285


37.0417, 0.2208,
0.3115


54.8154, 0.3232,
0.3300

 36.6398, 0.2195,
0.3102

 58.2249, 0.3390,
0.3313

 61.9847, 0.3547,
0.3324

 64.6420, 0.3640,
0.3335

 65.1640, 0.3637,
0.3347

Harmonies

Analogous

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



42.5976, 0.2761, 0.3562



42.5976, 0.2535, 0.3215



42.5976, 0.2461, 0.2917

Triad

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



42.5976, 0.2535, 0.3215



42.5976, 0.3129, 0.2817



42.5976, 0.3724, 0.3836

Complementary

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



42.5976, 0.2535, 0.3215



24.3330, 0.4214, 0.3361

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.



42.5976, 0.3841, 0.3604



42.5976, 0.2535, 0.3215



42.5976, 0.3488, 0.3032

Square

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



42.5976, 0.2535, 0.3215



42.5976, 0.2789, 0.2711



42.5976, 0.3755, 0.3313



42.5976, 0.3446, 0.3933

Rectangle

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



42.5976, 0.2535, 0.3215



42.5976, 0.2503, 0.2784



42.5976, 0.3755, 0.3313



42.5976, 0.3784, 0.3770

Sweetspot

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



42.5993, 0.2535, 0.3215



88.8166, 0.2928, 0.3269



42.1375, 0.3039, 0.4551



18.8332, 0.2895, 0.3266



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.5993, 0.2535, 0.3215



74.4554, 0.2437, 0.3196



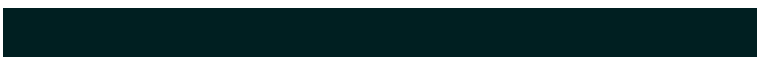
27.7155, 0.2428, 0.2574



11.3217, 0.2984, 0.3276



24.7005, 0.2196, 0.3104



1.0991, 0.2208, 0.3148

Inverse Universe

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



25.7259, 0.3230, 0.2297



40.1444, 0.3256, 0.2103



35.6287, 0.3964, 0.3906



10.2368, 0.3147, 0.3076



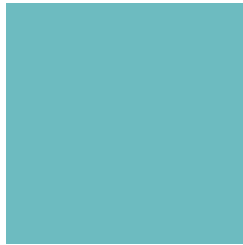
9.7758, 0.3364, 0.1627



0.4256, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 42.5976, 0.2535, 0.3215 looks on a white background.

Color Contrast Check

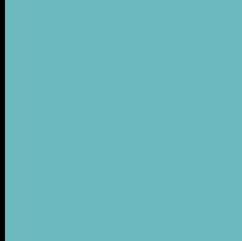
Large Text (above 18pt) WCAG AA × Fail

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 42.5976, 0.2535, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

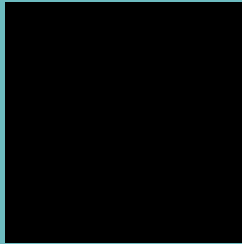
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

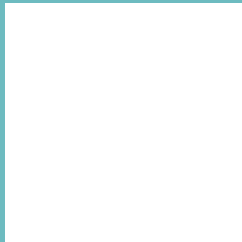
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5976, 0.2535, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 42.5976, 0.2535, 0.3215.

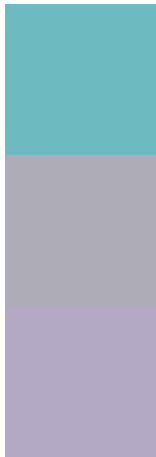


This preview shows how white text looks on a background with the Yxy color 42.5976, 0.2535, 0.3215.

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

42.5976, 0.2535, 0.3215

Protanopia

42.3047, 0.3054, 0.3156

Deuteranopia

42.0648, 0.3003, 0.2939



Tritanopia

42.7796, 0.2498, 0.3072

Trichromacy



Original Color

42.5976, 0.2535, 0.3215

Protanomaly

41.8700, 0.2835, 0.3177

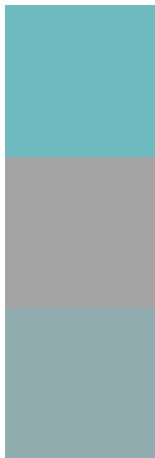
Deuteranomaly

41.8608, 0.2800, 0.3028

Tritanomaly

42.5745, 0.2509, 0.3114

Monochromacy



Original Color

42.5976, 0.2535, 0.3215

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.4903, 0.2871, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5976, 0.2535, 0.3215 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(109, 187, 192)` looks like.

```
.text, #text, p{  
    color:rgb(109, 187, 192)  
}
```

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(109, 187, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 187, 192) }
```

Border

The CSS property to change the border of an element to Yxy 42.5976, 0.2535, 0.3215 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(109, 187, 192) }
```

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

```
.border{ border-color:rgb(109, 187, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 187, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 187, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 187, 192);  
box-shadow:4px 4px 4px 4px rgb(109, 187,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5976, 0.2535, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 187, 192) }
```

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

```
.background{ background-color: rgb(109,  
187, 192) }
```

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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