

Converting Colors

$Y_{xy}(42.5484, 0.2542, 0.3248)$

Have a look what the booklet for
Yxy(42.5484, 0.2542, 0.3248)
contains.

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Color

Yxy(42.4465, 0.2541, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	6CBBBE
RGB	108, 187, 190
RGB Percent	42%, 73%, 75%
CMY	0.5765, 0.2666, 0.2549
CMYK	0.43, 0.02, 0.00, 0.25
HSL	182°, 39%, 58%
HSV	182°, 43%, 75%
XYZ	33.2480, 42.4465, 55.1517
YIQ	163.7210, -48.0470, -15.8150

Conversions

Conversions Part 2

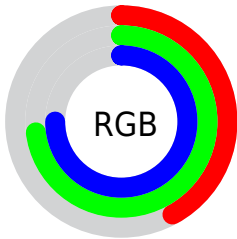
Format	Color
RYB	108, 148, 190
Decimal	7125950
CIELab	71.18, -23.47, -9.12
CIELCh	71, 25.176, 201.241
Yxy	42.4465, 0.2541, 0.3244
Android (android.graphics.Color)	4285316030 (0xFF6CBBBE)
YUV	163.7210, 12.9555, -48.8673
Hunter-Lab	65.1510, -22.9216, -4.5845

Details

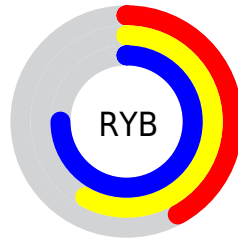
The Yxy color **42.4465, 0.2541, 0.3244** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.3958, 0.4222, 0.3335**, and the grayscale version is **36.9399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6475, 0.2648, 0.3255**, and **19.5601, 0.2375, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **41.0906, 0.2441, 0.3232**, and if you desaturate by 10%, it is **44.0667, 0.2657, 0.3256**.

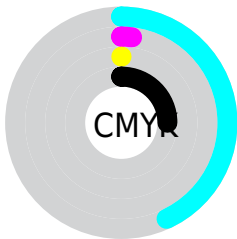
Distribution



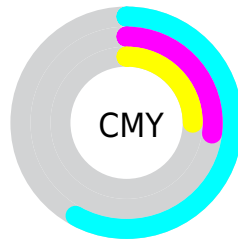
- Red (42%)
- Green (73%)
- Blue (75%)



- Red (42%)
- Yellow (58%)
- Blue (75%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)





- Cyan (58%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4465, 0.2541, 0.3244 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 42.4465, 0.2541, 0.3244 by changing the saturation by 10% instead.


 42.4465, 0.2541,
0.3244

 42.4465, 0.2541,
0.3244

356.3305, 0.2833,
0.3274


 29.4511, 0.2469,
0.3235


 78.8749, 0.2647,
0.3256


 19.4223, 0.2376,
0.3221


 103.0767, 0.2687,
0.3260

 11.9758, 0.2254,
0.3201


 131.7828, 0.2720,
0.3264

 6.7272, 0.2085,
0.3169

 165.3775, 0.2749,
0.3266

 3.2921, 0.1839,
0.3111

204.2452, 0.2775,
0.3269

 1.2861, 0.1411,
0.3007

248.7703, 0.2797,

 0.1304, 0.0000,

0.3271

0.1433

299.3373, 0.2816,
0.3272

0.0000, 0.0000,
0.0000

42.4465, 0.2541,
0.3244

42.4465, 0.2541,
0.3244

41.0906, 0.2441,
0.3232

44.0667, 0.2657,
0.3256

39.9771, 0.2360,
0.3220

45.9616, 0.2787,
0.3267

39.0884, 0.2297,
0.3208


48.1474, 0.2929,
0.3277

38.4026, 0.2253,
0.3195

50.6372, 0.3079,
0.3287


37.8935, 0.2227,
0.3184

53.4436, 0.3234,
0.3296

 37.6119, 0.2216,
0.3176

 56.5784, 0.3392,
0.3304

 60.0526, 0.3550,
0.3311

 62.9171, 0.3666,
0.3318

 63.2232, 0.3664,
0.3325

Harmonies

Analogous

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



42.4465, 0.2782, 0.3595



42.4465, 0.2541, 0.3244



42.4465, 0.2451, 0.2933

Triad

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



42.4465, 0.2541, 0.3244



42.4465, 0.3097, 0.2796



42.4465, 0.3751, 0.3828

Complementary

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



42.4465, 0.2541, 0.3244



23.3958, 0.4222, 0.3335

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.



42.4465, 0.3853, 0.3583



42.4465, 0.2541, 0.3244



42.4465, 0.3463, 0.3006

Square

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



42.4465, 0.2541, 0.3244



42.4465, 0.2758, 0.2700



42.4465, 0.3747, 0.3287



42.4465, 0.3480, 0.3941

Rectangle

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



42.4465, 0.2541, 0.3244



42.4465, 0.2484, 0.2790



42.4465, 0.3747, 0.3287



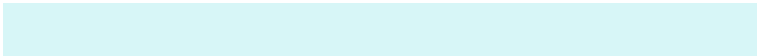
42.4465, 0.3807, 0.3757

Sweetspot

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



42.4482, 0.2541, 0.3244



87.2332, 0.2928, 0.3277



41.1543, 0.3048, 0.4569



18.9509, 0.2895, 0.3275



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.



42.4482, 0.2541, 0.3244



74.5378, 0.2444, 0.3232



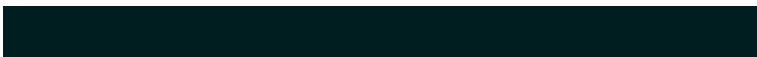
27.5449, 0.2433, 0.2598



10.7482, 0.2985, 0.3281



25.0376, 0.2216, 0.3177



0.9995, 0.2224, 0.3205

Inverse Universe

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



25.2597, 0.3209, 0.2279



39.4174, 0.3228, 0.2080



34.3981, 0.3969, 0.3887



9.6901, 0.3143, 0.3072



9.5573, 0.3301, 0.1592



0.3763, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 42.4465, 0.2541, 0.3244 looks on a white background.

Color Contrast Check

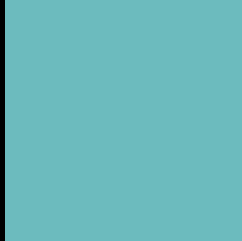
Large Text (above 18pt) WCAG AA × Fail

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 42.4465, 0.2541, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

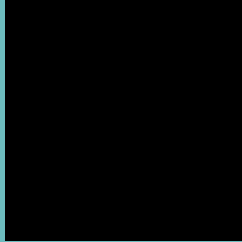
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4465, 0.2541, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 42.4465, 0.2541, 0.3244.



This preview shows how white text looks on a background with the Yxy color 42.4465, 0.2541, 0.3244.

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

42.4465, 0.2541, 0.3244

Protanopia

41.8399, 0.3071, 0.3169

Deuteranopia

42.0947, 0.3027, 0.2965



Tritanopia

42.2476, 0.2496, 0.3071

Trichromacy



Original Color

42.4465, 0.2541, 0.3244

Protanomaly

41.3890, 0.2848, 0.3190

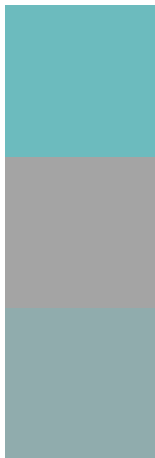
Deuteranomaly

41.7709, 0.2814, 0.3055

Tritanomaly

42.4183, 0.2515, 0.3142

Monochromacy



Original Color

42.4465, 0.2541, 0.3244

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.4515, 0.2878, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4465, 0.2541, 0.3244 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, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(108, 187, 190)  
}
```

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, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 187, 190) }
```

Border

The CSS property to change the border of an element to Yxy 42.4465, 0.2541, 0.3244 is called "border". The border property can be set on classes, ids or directly on the HTML element.

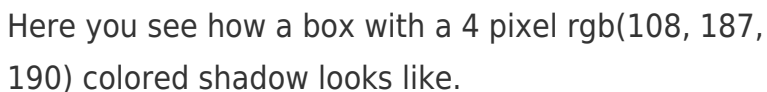
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 187, 190) }
```

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

```
.border{ border-color:rgb(108, 187, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 187, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 187, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 187, 190); box-shadow:4px 4px 4px 4px rgb(108, 187, 190) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4465, 0.2541, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 187, 190) }
```

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

```
.background{ background-color: rgb(108,  
187, 190) }
```

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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