

Converting Colors

$Y_{xy}(45.2423, 0.2541, 0.3424)$

Have a look what the booklet for
Yxy(45.2423, 0.2541, 0.3424)
contains.

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Color

Yxy(45.2847, 0.2541, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	64C3BA
RGB	100, 195, 186
RGB Percent	39%, 76%, 73%
CMY	0.6082, 0.2352, 0.2706
CMYK	0.49, 0.00, 0.05, 0.24
HSL	174°, 44%, 58%
HSV	174°, 49%, 76%
XYZ	33.6261, 45.2847, 53.4232
YIQ	165.5690, -53.7310, -22.9390

Conversions

Conversions Part 2

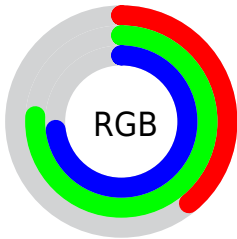
Format	Color
R _{YB}	100, 150, 195
Decimal	6603706
CIE _{Lab}	73.08, -30.33, -4.16
CIE _{LCh}	73, 30.615, 187.809
Y _{xy}	45.2847, 0.2541, 0.3422
Android (android.graphics.Color)	4284793786 (0xFF64C3BA)
YUV	165.5690, 10.0725, -57.5040
Hunter-Lab	67.2939, -28.5697, 0.0366

Details

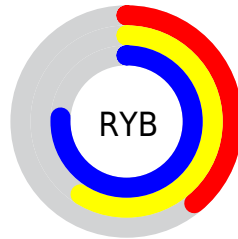
The Yxy color **45.2847, 0.2541, 0.3422** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.8041, 0.4340, 0.3174**, and the grayscale version is **37.8752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1997, 0.2647, 0.3402**, and **21.1553, 0.2378, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **44.2275, 0.2462, 0.3454**, and if you desaturate by 10%, it is **46.6125, 0.2637, 0.3392**.

Distribution



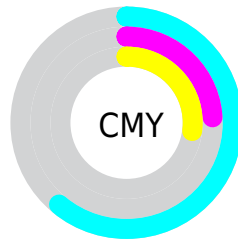
- Red (39%)
- Green (76%)
- Blue (73%)



- Red (39%)
- Yellow (59%)
- Blue (76%)



- Cyan (49%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)





- Cyan (61%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2847, 0.2541, 0.3422 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 45.2847, 0.2541, 0.3422 by changing the saturation by 10% instead.


 45.2847, 0.2541,
0.3422


 45.2847, 0.2541,
0.3422


367.9254, 0.2832,
0.3360


 31.6817, 0.2469,
0.3436

 83.1475, 0.2646,
0.3400


 21.1185, 0.2378,
0.3454


 108.1761, 0.2686,
0.3392

 13.2107, 0.2258,
0.3475


 137.7820, 0.2719,
0.3385

 7.5738, 0.2093,
0.3503

 172.3496, 0.2748,
0.3379

 3.8234, 0.1853,
0.3537

212.2634, 0.2773,
0.3373

 1.5753, 0.1448,
0.3589

257.9077, 0.2795,

 0.3409, 0.0000,

0.3368

0.3399

309.6669, 0.2814,
0.3364

0.0000, 0.0000,
0.0000

45.2847, 0.2541,
0.3422

45.2847, 0.2541,
0.3422

44.2275, 0.2462,
0.3454

46.6125, 0.2637,
0.3392

43.4162, 0.2402,
0.3486

48.2231, 0.2748,
0.3363

42.8307, 0.2360,
0.3518


50.1340, 0.2872,
0.3335


42.4453, 0.2337,
0.3550


52.3601, 0.3005,
0.3310

42.2172, 0.2330,
0.3582


54.9151, 0.3145,
0.3287

 42.1926, 0.2330,
0.3586

 57.8119, 0.3288,
0.3267

 61.0629, 0.3434,
0.3248

 64.5039, 0.3571,
0.3232

 64.5913, 0.3556,
0.3213

Harmonies

Analogous

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



45.2847, 0.2886, 0.3823



45.2847, 0.2541, 0.3422



45.2847, 0.2355, 0.3011

Triad

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



45.2847, 0.2541, 0.3422



45.2847, 0.2897, 0.2642



45.2847, 0.3951, 0.3803

Complementary

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



45.2847, 0.2541, 0.3422



21.8041, 0.4340, 0.3174

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.



45.2847, 0.3967, 0.3475



45.2847, 0.2541, 0.3422



45.2847, 0.3333, 0.2832

Square

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



45.2847, 0.2541, 0.3422



45.2847, 0.2549, 0.2596



45.2847, 0.3735, 0.3128



45.2847, 0.3705, 0.4028

Rectangle

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



45.2847, 0.2541, 0.3422



45.2847, 0.2336, 0.2799



45.2847, 0.3735, 0.3128



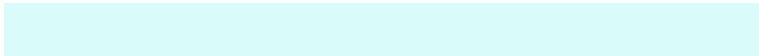
45.2847, 0.3985, 0.3701

Sweetspot

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



45.2865, 0.2541, 0.3422



91.1186, 0.2918, 0.3326



43.2334, 0.3120, 0.4788



19.7733, 0.2890, 0.3332



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.



45.2865, 0.2541, 0.3422



79.0100, 0.2454, 0.3457



30.7502, 0.2381, 0.2696



11.4115, 0.2997, 0.3312



27.4251, 0.2328, 0.3582



1.1898, 0.2308, 0.3510

Inverse Universe

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



21.8041, 0.4340, 0.3174



31.8797, 0.4800, 0.3158



30.6860, 0.4197, 0.3800



10.0931, 0.3274, 0.3268



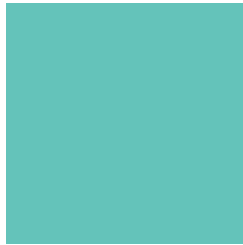
7.5759, 0.6278, 0.3232



0.3327, 0.5891, 0.3019

Previews

White Background



This preview shows how the Yxy color 45.2847, 0.2541, 0.3422 looks on a white background.

Color Contrast Check

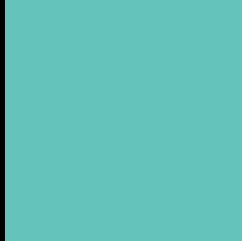
Large Text (above 18pt) WCAG AA × Fail

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 45.2847, 0.2541, 0.3422 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

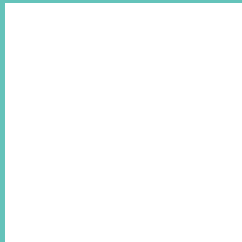
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2847, 0.2541, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 45.2847, 0.2541, 0.3422.

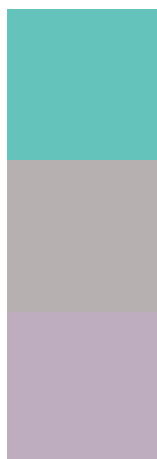


This preview shows how white text looks on a background with the Yxy color 45.2847, 0.2541, 0.3422.

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

45.2847, 0.2541, 0.3422

Protanopia

44.5240, 0.3179, 0.3303

Deuteranopia

44.5959, 0.3129, 0.3061



Tritanopia

45.3301, 0.2455, 0.3076

Trichromacy



Original Color

45.2847, 0.2541, 0.3422

Protanomaly

44.2517, 0.2897, 0.3345

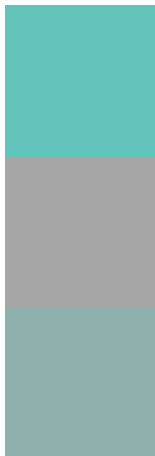
Deuteranomaly

43.8900, 0.2870, 0.3180

Tritanomaly

45.2065, 0.2485, 0.3202

Monochromacy



Original Color

45.2847, 0.2541, 0.3422

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.2122, 0.2866, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2847, 0.2541, 0.3422 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(100, 195, 186)` looks like.

```
.text, #text, p{  
    color:rgb(100, 195, 186)  
}
```

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(100, 195, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 195, 186) }
```

Border

The CSS property to change the border of an element to Yxy 45.2847, 0.2541, 0.3422 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(100, 195, 186) }
```

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

```
.border{ border-color:rgb(100, 195, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 195, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 195, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 195, 186);  
box-shadow:4px 4px 4px 4px rgb(100, 195,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2847, 0.2541, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 195, 186) }
```

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

```
.background{ background-color: rgb(100,  
195, 186) }
```

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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