

Converting Colors

$Y_{xy}(45.4580, 0.2434, 0.3520)$

Have a look what the booklet for
Yxy(45.4580, 0.2434, 0.3520)
contains.

Yxy(45.5727, 0.2433, 0.3517)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.5727, 0.2433, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	45C7B8
RGB	69, 199, 184
RGB Percent	27%, 78%, 72%
CMY	0.7296, 0.2196, 0.2784
CMYK	0.65, 0.00, 0.08, 0.22
HSL	173°, 54%, 53%
HSV	173°, 65%, 78%
XYZ	31.5264, 45.5727, 52.4792
YIQ	158.4200, -72.6650, -32.2250

Conversions

Conversions Part 2

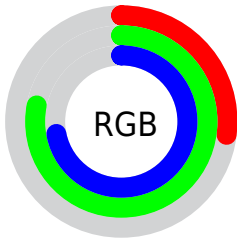
Format	Color
R _{YB}	69, 138, 199
Decimal	4573112
CIE Lab	73.27, -38.66, -2.90
CIE LCh	73, 38.771, 184.290
Yxy	45.5727, 0.2433, 0.3517
Android (android.graphics.Color)	4282763192 (0xFF45C7B8)
YUV	158.4200, 12.6109, -78.4213
Hunter-Lab	67.5076, -34.7777, 1.1643

Details

The Yxy color **45.5727, 0.2433, 0.3517** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.0339, 0.5001, 0.3123**, and the grayscale version is **34.3546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7168, 0.2553, 0.3462**, and **21.5852, 0.2324, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **44.8696, 0.2387, 0.3557**, and if you desaturate by 10%, it is **46.5248, 0.2498, 0.3478**.

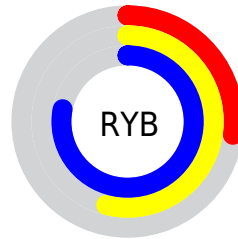
Distribution



Red (27%)

Green (78%)

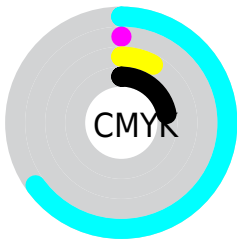
Blue (72%)



Red (27%)

Yellow (54%)

Blue (78%)

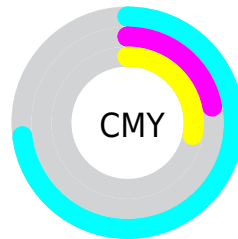


Cyan (65%)

Magenta (0%)

Yellow (8%)

Black (22%)



Cyan (73%)


Magenta (22%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5727, 0.2433, 0.3517 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 45.5727, 0.2433, 0.3517 by changing the saturation by 10% instead.


 45.5727, 0.2433,
0.3517


 45.5727, 0.2433,
0.3517


369.0881, 0.2777,
0.3408

 31.9088, 0.2349,
0.3543


 83.5791, 0.2557,
0.3478


 21.2918, 0.2242,
0.3575


 108.6904, 0.2604,
0.3463


 13.3375, 0.2101,
0.3616


 138.3863, 0.2643,
0.3451

 7.6613, 0.1909,
0.3671

 173.0511, 0.2678,
0.3440

 3.8790, 0.1634,
0.3743

 213.0693, 0.2707,
0.3430

 1.6061, 0.1096,
0.3892

258.8253, 0.2733,

 0.3617, 0.0000,

0.3422

0.3774

310.7034, 0.2756,
0.3414

0.0000, 0.0000,
0.0000

45.5727, 0.2433,
0.3517

45.5727, 0.2433,
0.3517

44.8696, 0.2387,
0.3557

46.5248, 0.2498,
0.3478

44.3847, 0.2359,
0.3597

47.7426, 0.2582,
0.3439

44.0885, 0.2350,
0.3637

49.2475, 0.2682,
0.3402

43.9863, 0.2349,
0.3655

51.0571, 0.2795,
0.3367

53.1878, 0.2920,
0.3335

■ 55.6548, 0.3054,
0.3305

■ 58.4721, 0.3192,
0.3278

■ 61.6531, 0.3334,
0.3253

■ 65.2105, 0.3476,
0.3232

Harmonies

Analogous

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



45.5727, 0.2876, 0.4026



45.5727, 0.2433, 0.3517



45.5727, 0.2184, 0.2982

Triad

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



45.5727, 0.2433, 0.3517



45.5727, 0.2775, 0.2474



45.5727, 0.4183, 0.3871

Complementary

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



45.5727, 0.2433, 0.3517



17.0339, 0.5001, 0.3123

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.



45.5727, 0.4172, 0.3453



45.5727, 0.2433, 0.3517



45.5727, 0.3316, 0.2688

Square

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



45.5727, 0.2433, 0.3517



45.5727, 0.2368, 0.2436



45.5727, 0.3844, 0.3035



45.5727, 0.3894, 0.4191

Rectangle

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



45.5727, 0.2433, 0.3517



45.5727, 0.2144, 0.2706



45.5727, 0.3844, 0.3035



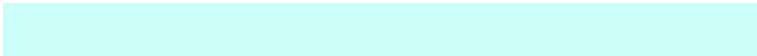
45.5727, 0.4216, 0.3737

Sweetspot

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



45.5745, 0.2433, 0.3517



91.2040, 0.2857, 0.3351



43.1703, 0.3108, 0.5332



19.2985, 0.2822, 0.3360



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.



45.5745, 0.2433, 0.3517



78.1922, 0.2374, 0.3572



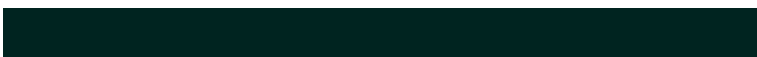
26.9316, 0.2170, 0.2483



12.0457, 0.2999, 0.3317



28.2902, 0.2347, 0.3650



1.3457, 0.2324, 0.3567

Inverse Universe

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



17.0339, 0.5001, 0.3123



24.6634, 0.5608, 0.3139



25.7209, 0.4737, 0.3905



10.6565, 0.3272, 0.3264



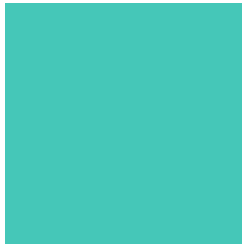
7.8541, 0.6245, 0.3214



0.3787, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 45.5727, 0.2433, 0.3517 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 45.5727, 0.2433, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

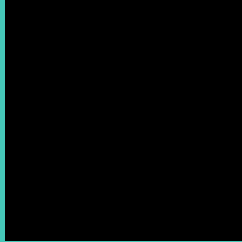
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

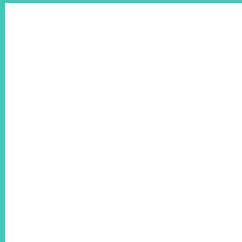
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5727, 0.2433, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 45.5727, 0.2433, 0.3517.

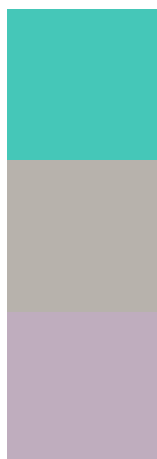


This preview shows how white text looks on a background with the Yxy color 45.5727, 0.2433, 0.3517.

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

45.5727, 0.2433, 0.3517

Protanopia

44.8866, 0.3220, 0.3369

Deuteranopia

44.6812, 0.3146, 0.3074



Tritanopia

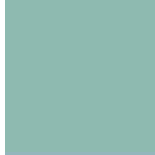
45.4827, 0.2331, 0.3058

Trichromacy



Original Color

45.5727, 0.2433, 0.3517



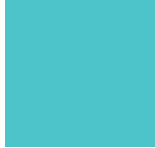
Protanomaly

44.0032, 0.2851, 0.3433



Deuteranomaly

43.2898, 0.2801, 0.3205



Tritanomaly

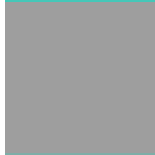
45.2747, 0.2367, 0.3214

Monochromacy



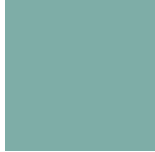
Original Color

45.5727, 0.2433, 0.3517



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.1128, 0.2781, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5727, 0.2433, 0.3517 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(69, 199, 184)` looks like.

```
.text, #text, p{  
    color:rgb(69, 199, 184)  
}
```

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(69, 199, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 199, 184) }
```

Border

The CSS property to change the border of an element to Yxy 45.5727, 0.2433, 0.3517 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(69, 199, 184) }
```

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

```
.border{ border-color:rgb(69, 199, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 199, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 199, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 199, 184);  
box-shadow:4px 4px 4px 4px rgb(69, 199,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5727, 0.2433, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 199, 184) }
```

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

```
.background{ background-color: rgb(69, 199,  
184) }
```

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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