

Converting Colors

$Y_{xy}(45.2584, 0.2509, 0.3365)$

Have a look what the booklet for
Yxy(45.2584, 0.2509, 0.3365)
contains.

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Color

Yxy(45.3446, 0.2509, 0.3362)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 62C3BE |
| RGB | 98, 195, 190 |
| RGB Percent | 38%, 76%, 75% |
| CMY | 0.6160, 0.2352, 0.2549 |
| CMYK | 0.50, 0.00, 0.03, 0.24 |
| HSL | 177°, 45%, 57% |
| HSV | 177°, 50%, 76% |
| XYZ | 33.8399, 45.3446, 55.6894 |
| YIQ | 165.4270, -56.2070, -22.1190 |

Conversions

Conversions Part 2

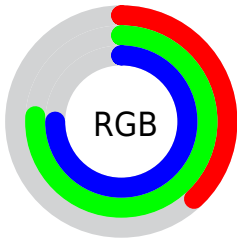
| Format | Color |
|-------------------------------------|--|
| RYB | 98, 148, 195 |
| Decimal | 6472638 |
| CIELab | 73.12, -29.75, -6.29 |
| CIELCh | 73, 30.410, 191.940 |
| Yxy | 45.3446, 0.2509, 0.3362 |
| Android (android.graphics.Color) | 4284662718 (0xFF62C3BE) |
| YUV | 165.4270, 12.1145, -59.1335 |
| Hunter-Lab | 67.3384, -28.1398, -1.8965 |

Details

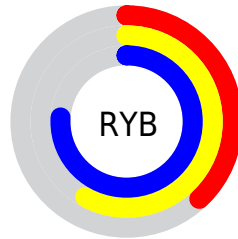
The Yxy color **45.3446, 0.2509, 0.3362** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.3005, 0.4442, 0.3228**, and the grayscale version is **37.7944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2432, 0.2619, 0.3356**, and **21.1960, 0.2338, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **44.3479, 0.2429, 0.3379**, and if you desaturate by 10%, it is **46.6093, 0.2607, 0.3346**.

Distribution



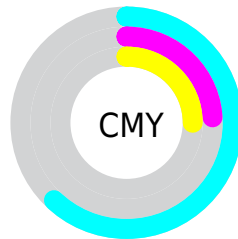
- Red (38%)
- Green (76%)
- Blue (75%)



- Red (38%)
- Yellow (58%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)





- Cyan (62%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3446, 0.2509, 0.3362 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 45.3446, 0.2509, 0.3362 by changing the saturation by 10% instead.


 45.3446, 0.2509,
0.3362

 45.3446, 0.2509,
0.3362


368.1674, 0.2814,
0.3332

 31.7289, 0.2434,
0.3368


 83.2373, 0.2619,
0.3352


 21.1545, 0.2339,
0.3374


 108.2831, 0.2661,
0.3348

 13.2370, 0.2214,
0.3381

 137.9077, 0.2696,
0.3345

 7.5920, 0.2043,
0.3386

 172.4956, 0.2726,
0.3341

 3.8350, 0.1797,
0.3386

212.4311, 0.2753,
0.3339

 1.5817, 0.1395,
0.3373

258.0987, 0.2776,

 0.3452, 0.0000,

0.3336

0.2973

309.8826, 0.2796,
0.3334

■ 0.0000, 0.0000,
0.0000

■ 45.3446, 0.2509,
0.3362

■ 45.3446, 0.2509,
0.3362

■ 44.3479, 0.2429,
0.3379

■ 46.6093, 0.2607,
0.3346

■ 43.5943, 0.2368,
0.3396

■ 48.1543, 0.2721,
0.3330

■ 43.0634, 0.2325,
0.3413


■ 49.9973, 0.2848,
0.3316


■ 42.7289, 0.2301,
0.3430

■ 52.1533, 0.2985,
0.3302

■ 42.5412, 0.2291,
0.3447

■ 54.6361, 0.3130,
0.3290

 42.5377, 0.2291,
0.3447

 57.4588, 0.3280,
0.3279

 60.6336, 0.3432,
0.3269

 64.1723, 0.3584,
0.3260

 64.4224, 0.3585,
0.3250

Harmonies

Analogous

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



45.3446, 0.2834, 0.3771



45.3446, 0.2509, 0.3362



45.3446, 0.2349, 0.2965

Triad

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



45.3446, 0.2509, 0.3362



45.3446, 0.2956, 0.2664



45.3446, 0.3924, 0.3839

Complementary

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



45.3446, 0.2509, 0.3362



21.3005, 0.4442, 0.3228

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.



45.3446, 0.3974, 0.3521



45.3446, 0.2509, 0.3362



45.3446, 0.3392, 0.2871

Square

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



45.3446, 0.2509, 0.3362



45.3446, 0.2592, 0.2598



45.3446, 0.3775, 0.3175



45.3446, 0.3654, 0.4040

Rectangle

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



45.3446, 0.2509, 0.3362



45.3446, 0.2348, 0.2768



45.3446, 0.3775, 0.3175



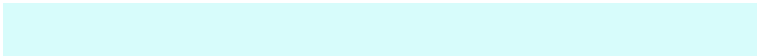
45.3446, 0.3968, 0.3741

Sweetspot

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



45.3464, 0.2509, 0.3362



91.2212, 0.2909, 0.3309



42.8828, 0.3097, 0.4834



19.7989, 0.2880, 0.3312



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.



45.3464, 0.2509, 0.3362



79.2403, 0.2421, 0.3381



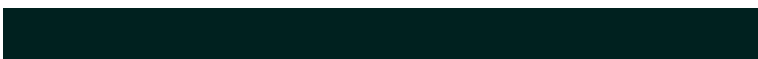
29.2942, 0.2356, 0.2628



11.4192, 0.2991, 0.3302



27.6468, 0.2290, 0.3445



1.1973, 0.2280, 0.3407

Inverse Universe

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



21.3005, 0.4442, 0.3228



31.1825, 0.4928, 0.3221



31.2373, 0.4204, 0.3852



10.0861, 0.3281, 0.3279



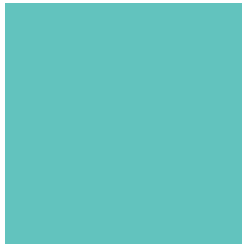
7.5589, 0.6337, 0.3264



0.3296, 0.6110, 0.3139

Previews

White Background



This preview shows how the Yxy color 45.3446, 0.2509, 0.3362 looks on a white background.

Color Contrast Check

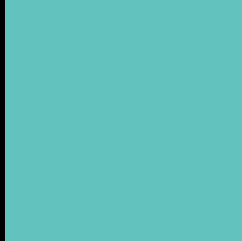
Large Text (above 18pt) WCAG AA × Fail

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 45.3446, 0.2509, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

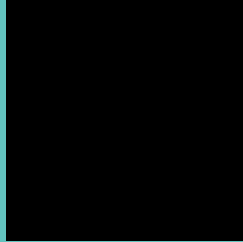
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

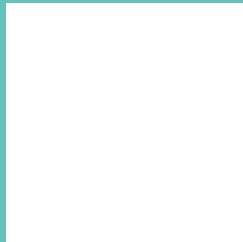
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3446, 0.2509, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 45.3446, 0.2509, 0.3362.

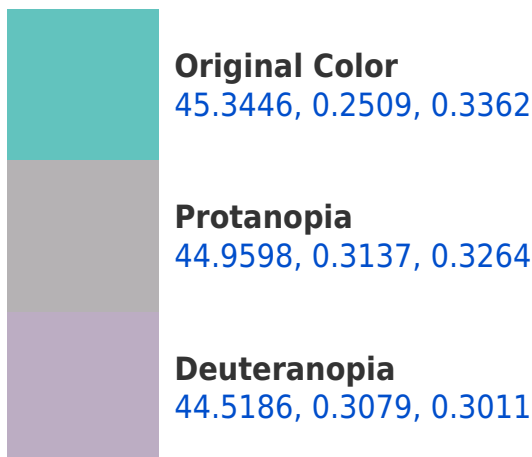


This preview shows how white text looks on a background with the Yxy color 45.3446, 0.2509, 0.3362.

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

45.1964, 0.2434, 0.3061

Trichromacy



Original Color

45.3446, 0.2509, 0.3362

Protanomaly

44.3210, 0.2861, 0.3289

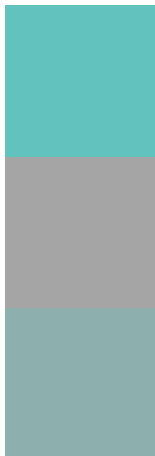
Deuteranomaly

43.8666, 0.2826, 0.3125

Tritanomaly

45.1818, 0.2464, 0.3173

Monochromacy



Original Color

45.3446, 0.2509, 0.3362

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.7694, 0.2850, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3446, 0.2509, 0.3362 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(98, 195, 190)` looks like.

```
.text, #text, p{  
    color:rgb(98, 195, 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(98, 195, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 195, 190) }
```

Border

The CSS property to change the border of an element to Yxy 45.3446, 0.2509, 0.3362 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(98, 195, 190) }
```

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

```
.border{ border-color:rgb(98, 195, 190) }
```

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

Here you see how a box with a 4 pixel rgb(98, 195, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 195, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 195, 190);  
box-shadow:4px 4px 4px 4px rgb(98, 195,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3446, 0.2509, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 195, 190) }
```

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

```
.background{ background-color: rgb(98, 195,  
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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