

Converting Colors

$Yxy(46.3134, 0.2498, 0.3592)$

Have a look what the booklet for
Yxy(46.3134, 0.2498, 0.3592)
contains.

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Color

Yxy(46.3093, 0.2498, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	50C8B4
RGB	80, 200, 180
RGB Percent	31%, 78%, 71%
CMY	0.6859, 0.2157, 0.2942
CMYK	0.60, 0.00, 0.10, 0.22
HSL	170°, 52%, 55%
HSV	170°, 60%, 78%
XYZ	32.2051, 46.3093, 50.4091
YIQ	161.8400, -65.1000, -31.6600

Conversions

Conversions Part 2

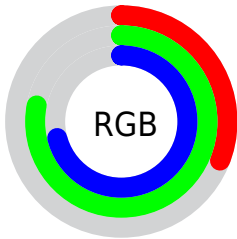
Format	Color
RYB	80, 145, 200
Decimal	5294260
CIELab	73.75, -38.26, 0.01
CIELCh	74, 38.258, 179.979
Yxy	46.3093, 0.2498, 0.3592
Android (android.graphics.Color)	4283484340 (0xFF50C8B4)
YUV	161.8400, 8.9529, -71.7737
Hunter-Lab	68.0509, -34.6141, 3.7163

Details

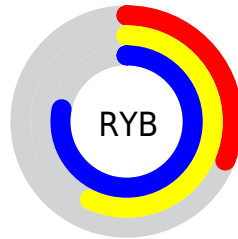
The Yxy color **46.3093, 0.2498, 0.3592** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **18.9537, 0.4665, 0.3049**, and the grayscale version is **36.0452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1516, 0.2604, 0.3508**, and **21.7831, 0.2354, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **45.4306, 0.2445, 0.3651**, and if you desaturate by 10%, it is **47.4541, 0.2570, 0.3534**.

Distribution



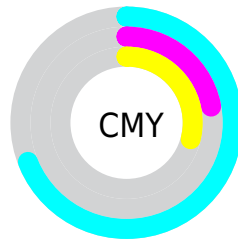
- Red (31%)
- Green (78%)
- Blue (71%)



- Red (31%)
- Yellow (57%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (69%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3093, 0.2498, 0.3592 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 46.3093, 0.2498, 0.3592 by changing the saturation by 10% instead.


 46.3093, 0.2498,
0.3592


 46.3093, 0.2498,
0.3592


372.0507, 0.2811,
0.3442


 32.4900, 0.2421,
0.3629


 84.6817, 0.2611,
0.3538


 21.7360, 0.2323,
0.3676


 110.0036, 0.2654,
0.3517

 13.6631, 0.2193,
0.3738


 139.9284, 0.2690,
0.3500

 7.8867, 0.2015,
0.3824

 174.8406, 0.2721,
0.3485

 4.0225, 0.1758,
0.3947

215.1245, 0.2748,
0.3472

 1.6862, 0.1271,
0.4181

261.1646, 0.2771,

 0.4147, 0.0000,

0.3461

0.4793

313.3452, 0.2792,
0.3451

0.0000, 0.0000,
0.0000

46.3093, 0.2498,
0.3592

46.3093, 0.2498,
0.3592

45.4306, 0.2445,
0.3651

47.4541, 0.2570,
0.3534

44.7887, 0.2411,
0.3711

48.8803, 0.2658,
0.3479

44.3573, 0.2397,
0.3771

50.6086, 0.2761,
0.3426

44.0835, 0.2397,
0.3830

52.6560, 0.2875,
0.3377

44.0821, 0.2397,
0.3830

55.0385, 0.2998,
0.3331

■ 57.7707, 0.3128,
0.3290

■ 60.8667, 0.3261,
0.3252

■ 64.3394, 0.3395,
0.3219

■ 67.2214, 0.3487,
0.3188

Harmonies

Analogous

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



46.3093, 0.2955, 0.4066



46.3093, 0.2498, 0.3592



46.3093, 0.2221, 0.3057

Triad

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



46.3093, 0.2498, 0.3592



46.3093, 0.2714, 0.2471



46.3093, 0.4182, 0.3806

Complementary

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



46.3093, 0.2498, 0.3592



18.9537, 0.4665, 0.3049

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.



46.3093, 0.4124, 0.3391



46.3093, 0.2498, 0.3592



46.3093, 0.3233, 0.2659

Square

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



46.3093, 0.2498, 0.3592



46.3093, 0.2339, 0.2461



46.3093, 0.3765, 0.2985



46.3093, 0.3936, 0.4141

Rectangle

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



46.3093, 0.2498, 0.3592



46.3093, 0.2160, 0.2768



46.3093, 0.3765, 0.2985



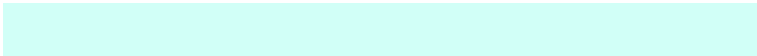
46.3093, 0.4199, 0.3672

Sweetspot

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



46.3111, 0.2498, 0.3592



91.8261, 0.2895, 0.3369



44.7171, 0.3168, 0.5134



19.4118, 0.2860, 0.3383



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.



46.3111, 0.2498, 0.3592



78.2754, 0.2433, 0.3670



31.7311, 0.2265, 0.2695



12.0360, 0.3006, 0.3329



28.0417, 0.2395, 0.3822



1.3361, 0.2361, 0.3698

Inverse Universe

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



18.9537, 0.4665, 0.3049



26.7779, 0.5216, 0.3042



25.8327, 0.4635, 0.3771



10.6654, 0.3264, 0.3252



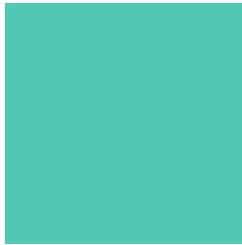
7.8879, 0.6138, 0.3155



0.3828, 0.5604, 0.2861

Previews

White Background



This preview shows how the Yxy color 46.3093, 0.2498, 0.3592 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 46.3093, 0.2498, 0.3592 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

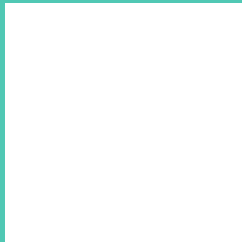
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3093, 0.2498, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 46.3093, 0.2498, 0.3592.

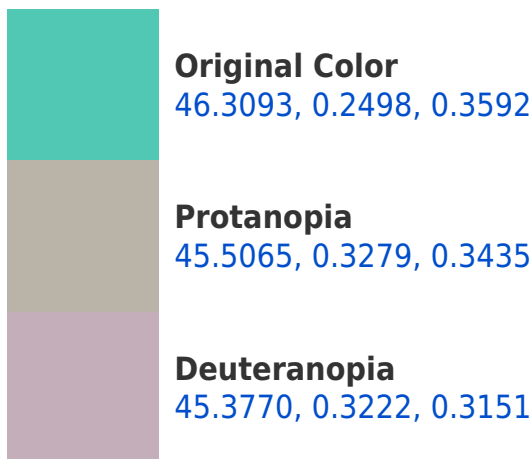


This preview shows how white text looks on a background with the Yxy color 46.3093, 0.2498, 0.3592.

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

46.0087, 0.2374, 0.3061

Trichromacy



Original Color

46.3093, 0.2498, 0.3592



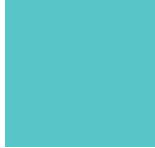
Protanomaly

44.7222, 0.2918, 0.3503



Deuteranomaly

44.0582, 0.2883, 0.3289



Tritanomaly

46.1773, 0.2418, 0.3244

Monochromacy



Original Color

46.3093, 0.2498, 0.3592



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.8208, 0.2816, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3093, 0.2498, 0.3592 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(80, 200, 180)` looks like.

```
.text, #text, p{  
    color:rgb(80, 200, 180)  
}
```

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(80, 200, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 200, 180) }
```

Border

The CSS property to change the border of an element to Yxy 46.3093, 0.2498, 0.3592 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(80, 200, 180) }
```

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

```
.border{ border-color:rgb(80, 200, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 200, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 200, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 200, 180);  
box-shadow:4px 4px 4px 4px rgb(80, 200,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3093, 0.2498, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 200, 180) }
```

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

```
.background{ background-color: rgb(80, 200,  
180) }
```

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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