

Converting Colors

$Y_{xy}(46.2990, 0.2518, 0.3544)$

Have a look what the booklet for
Yxy(46.2990, 0.2518, 0.3544)
contains.

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Color

Yxy(46.2990, 0.2518, 0.3544)

Conversions

Conversions Part 1

Format	Color
Hex	58C7B6
RGB	88, 199, 182
RGB Percent	35%, 78%, 71%
CMY	0.6546, 0.2196, 0.2864
CMYK	0.56, 0.00, 0.09, 0.22
HSL	171°, 50%, 56%
HSV	171°, 56%, 78%
XYZ	32.8953, 46.2990, 51.4462
YIQ	163.8730, -60.6990, -28.8190

Conversions

Conversions Part 2

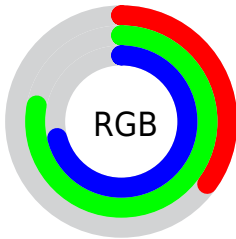
Format	Color
RYB	88, 148, 199
Decimal	5818294
CIELab	73.74, -35.76, -1.05
CIELCh	74, 35.773, 181.684
Yxy	46.2990, 0.2518, 0.3544
Android (android.graphics.Color)	4284008374 (0xFF58C7B6)
YUV	163.8730, 8.9366, -66.5406
Hunter-Lab	68.0434, -32.7808, 2.8024

Details

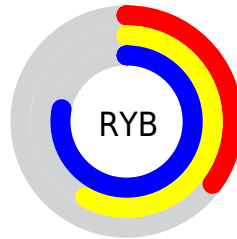
The Yxy color **46.2990, 0.2518, 0.3544** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.1574, 0.4521, 0.3078**, and the grayscale version is **37.0495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8961, 0.2625, 0.3483**, and **21.5831, 0.2347, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **45.3327, 0.2456, 0.3598**, and if you desaturate by 10%, it is **47.5368, 0.2598, 0.3492**.

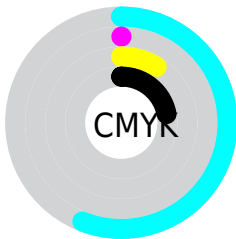
Distribution



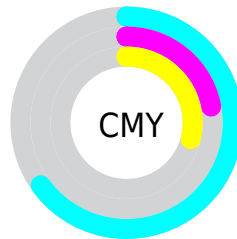
- Red (35%)
- Green (78%)
- Blue (71%)



- Red (35%)
- Yellow (58%)
- Blue (78%)



- Cyan (56%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)





- Cyan (65%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2990, 0.2518, 0.3544 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 46.2990, 0.2518, 0.3544 by changing the saturation by 10% instead.


 46.2990, 0.2518,
0.3544


 46.2990, 0.2518,
0.3544

372.0094, 0.2820,
0.3419


 32.4818, 0.2444,
0.3574


 84.6663, 0.2627,
0.3499


 21.7298, 0.2349,
0.3613


 109.9852, 0.2668,
0.3482

 13.6585, 0.2224,
0.3664


 139.9069, 0.2703,
0.3468

 7.8835, 0.2052,
0.3732

 174.8156, 0.2733,
0.3455

 4.0205, 0.1804,
0.3831

215.0958, 0.2759,
0.3444

 1.6850, 0.1361,
0.4005

261.1319, 0.2782,

 0.4139, 0.0000,

0.3435

0.4412

313.3083, 0.2802,
0.3427

■ 0.0000, 0.0000,
0.0000

■ 46.2990, 0.2518,
0.3544

■ 46.2990, 0.2518,
0.3544

■ 45.3327, 0.2456,
0.3598

■ 47.5368, 0.2598,
0.3492

■ 44.6103, 0.2413,
0.3652

■ 49.0602, 0.2694,
0.3442

■ 44.1078, 0.2390,
0.3706

■ 50.8890, 0.2803,
0.3395

■ 43.7935, 0.2384,
0.3760

■ 53.0394, 0.2923,
0.3352

■ 43.6898, 0.2384,
0.3783

■ 55.5266, 0.3051,
0.3311

■ 58.3648, 0.3184,
0.3275

■ 61.5674, 0.3320,
0.3242

■ 65.1472, 0.3456,
0.3213

■ 66.7316, 0.3494,
0.3184

Harmonies

Analogous

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



46.2990, 0.2941, 0.3992



46.2990, 0.2518, 0.3544



46.2990, 0.2267, 0.3050

Triad

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



46.2990, 0.2518, 0.3544



46.2990, 0.2766, 0.2524



46.2990, 0.4109, 0.3800

Complementary

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



46.2990, 0.2518, 0.3544



20.1574, 0.4521, 0.3078

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.



46.2990, 0.4070, 0.3411



46.2990, 0.2518, 0.3544



46.2990, 0.3258, 0.2710

Square

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



46.2990, 0.2518, 0.3544



46.2990, 0.2402, 0.2506



46.2990, 0.3748, 0.3025



46.2990, 0.3867, 0.4102

Rectangle

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



46.2990, 0.2518, 0.3544



46.2990, 0.2217, 0.2784



46.2990, 0.3748, 0.3025



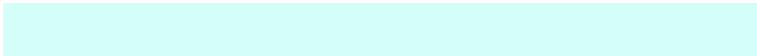
46.2990, 0.4129, 0.3675

Sweetspot

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



46.3008, 0.2518, 0.3544



92.2640, 0.2905, 0.3358



44.6507, 0.3160, 0.5004



19.5778, 0.2880, 0.3367



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.



46.3008, 0.2518, 0.3544



79.0568, 0.2445, 0.3610



32.0523, 0.2309, 0.2714



12.0385, 0.3004, 0.3326



28.1050, 0.2382, 0.3776



1.3385, 0.2351, 0.3663

Inverse Universe

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



20.1574, 0.4521, 0.3078



28.7577, 0.5031, 0.3062



27.5292, 0.4472, 0.3770



10.6630, 0.3266, 0.3255



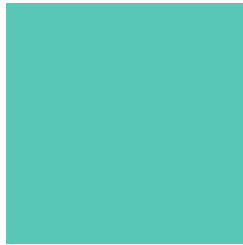
7.8780, 0.6169, 0.3172



0.3817, 0.5658, 0.2891

Previews

White Background



This preview shows how the Yxy color 46.2990, 0.2518, 0.3544 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 46.2990, 0.2518, 0.3544 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

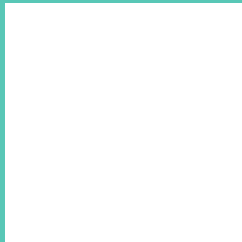
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2990, 0.2518, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 46.2990, 0.2518, 0.3544.

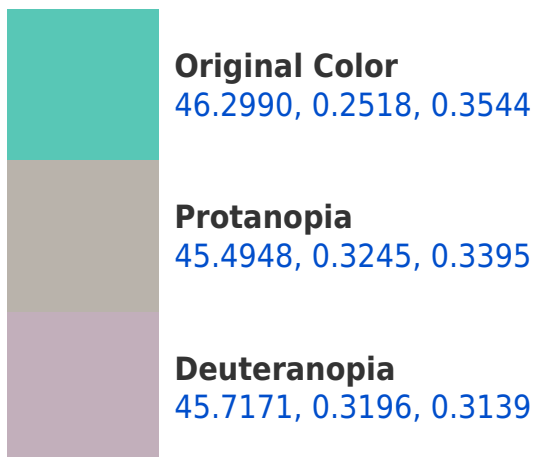


This preview shows how white text looks on a background with the Yxy color 46.2990, 0.2518, 0.3544.

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

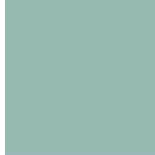
46.3300, 0.2400, 0.3062

Trichromacy



Original Color

46.2990, 0.2518, 0.3544



Protanomaly

44.6970, 0.2919, 0.3445



Deuteranomaly

44.7523, 0.2885, 0.3276



Tritanomaly

46.0297, 0.2441, 0.3230

Monochromacy



Original Color

46.2990, 0.2518, 0.3544



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.6188, 0.2833, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2990, 0.2518, 0.3544 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(88, 199, 182)` looks like.

```
.text, #text, p{  
    color:rgb(88, 199, 182)  
}
```

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(88, 199, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 199, 182) }
```

Border

The CSS property to change the border of an element to Yxy 46.2990, 0.2518, 0.3544 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(88, 199, 182) }
```

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

```
.border{ border-color:rgb(88, 199, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 199, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 199, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 199, 182);  
box-shadow:4px 4px 4px 4px rgb(88, 199,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2990, 0.2518, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 199, 182) }
```

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

```
.background{ background-color: rgb(88, 199,  
182) }
```

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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