

Converting Colors

$Y_{xy}(46.1770, 0.2462, 0.3443)$

Have a look what the booklet for
Yxy(46.1770, 0.2462, 0.3443)
contains.

Yxy(46.3167, 0.2465, 0.3452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.3167, 0.2465, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	53C7BC
RGB	83, 199, 188
RGB Percent	33%, 78%, 74%
CMY	0.6742, 0.2196, 0.2627
CMYK	0.58, 0.00, 0.06, 0.22
HSL	174°, 51%, 55%
HSV	174°, 58%, 78%
XYZ	33.0738, 46.3167, 54.7830
YIQ	163.0620, -65.6050, -28.0130

Conversions

Conversions Part 2

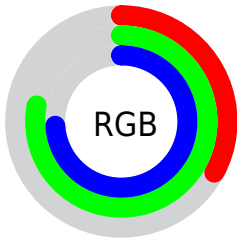
Format	Color
RYB	83, 144, 199
Decimal	5490620
CIELab	73.75, -35.17, -4.33
CIELCh	74, 35.438, 187.017
Yxy	46.3167, 0.2465, 0.3452
Android (android.graphics.Color)	4283680700 (0xFF53C7BC)
YUV	163.0620, 12.2944, -70.2144
Hunter-Lab	68.0564, -32.3519, -0.0870

Details

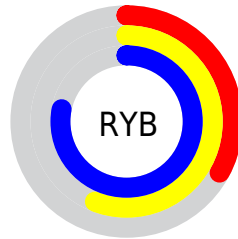
The Yxy color **46.3167, 0.2465, 0.3452** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.1484, 0.4731, 0.3159**, and the grayscale version is **36.6309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8913, 0.2581, 0.3414**, and **21.6958, 0.2299, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **45.4579, 0.2404, 0.3484**, and if you desaturate by 10%, it is **47.4399, 0.2545, 0.3421**.

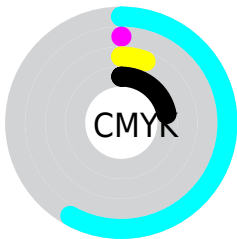
Distribution



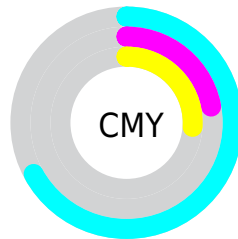
- Red (33%)
- Green (78%)
- Blue (74%)



- Red (33%)
- Yellow (56%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)





- Cyan (67%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3167, 0.2465, 0.3452 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 46.3167, 0.2465, 0.3452 by changing the saturation by 10% instead.

 46.3167, 0.2465,
0.3452


 46.3167, 0.2465,
0.3452

372.0804, 0.2791,
0.3376

 32.4958, 0.2385,
0.3469


 84.6928, 0.2582,
0.3426


 21.7405, 0.2284,
0.3490


 110.0167, 0.2627,
0.3415

 13.6663, 0.2151,
0.3516


 139.9438, 0.2665,
0.3407

 7.8890, 0.1971,
0.3549

 174.8585, 0.2697,
0.3399

 4.0240, 0.1713,
0.3590

215.1451, 0.2725,
0.3392

 1.6870, 0.1274,
0.3653

261.1880, 0.2750,

 0.4152, 0.0000,

0.3386

0.3549

313.3717, 0.2772,
0.3381

0.0000, 0.0000,
0.0000

46.3167, 0.2465,
0.3452

46.3167, 0.2465,
0.3452

45.4579, 0.2404,
0.3484

47.4399, 0.2545,
0.3421

44.8352, 0.2362,
0.3517

48.8424, 0.2642,
0.3390

44.4236, 0.2338,
0.3549

50.5442, 0.2754,
0.3361

44.1818, 0.2330,
0.3581

52.5618, 0.2878,
0.3334

44.1459, 0.2330,
0.3586

54.9108, 0.3012,
0.3309

■ 57.6055, 0.3152,
0.3286

■ 60.6596, 0.3296,
0.3266

■ 64.0859, 0.3442,
0.3247

■ 66.5112, 0.3529,
0.3230

Harmonies

Analogous

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



46.3167, 0.2860, 0.3919



46.3167, 0.2465, 0.3452



46.3167, 0.2252, 0.2975

Triad

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



46.3167, 0.2465, 0.3452



46.3167, 0.2849, 0.2552



46.3167, 0.4076, 0.3859

Complementary

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



46.3167, 0.2465, 0.3452



19.1484, 0.4731, 0.3159

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.



46.3167, 0.4090, 0.3481



46.3167, 0.2465, 0.3452



46.3167, 0.3348, 0.2763

Square

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



46.3167, 0.2465, 0.3452



46.3167, 0.2460, 0.2503



46.3167, 0.3816, 0.3092



46.3167, 0.3795, 0.4130

Rectangle

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



46.3167, 0.2465, 0.3452



46.3167, 0.2228, 0.2732



46.3167, 0.3816, 0.3092



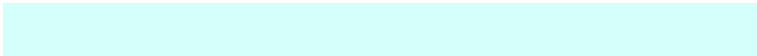
46.3167, 0.4113, 0.3740

Sweetspot

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



46.3185, 0.2465, 0.3452



92.4235, 0.2891, 0.3332



43.8853, 0.3108, 0.5114



19.6159, 0.2865, 0.3337



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.



46.3185, 0.2465, 0.3452



79.2558, 0.2390, 0.3493



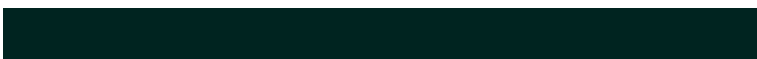
28.6261, 0.2250, 0.2554



12.0496, 0.2996, 0.3312



28.3955, 0.2328, 0.3582



1.3497, 0.2310, 0.3515

Inverse Universe

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



19.1484, 0.4731, 0.3159



27.2955, 0.5304, 0.3157



28.5845, 0.4488, 0.3885



10.6530, 0.3275, 0.3268



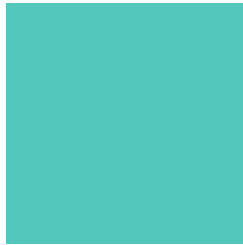
7.8435, 0.6280, 0.3233



0.3771, 0.5914, 0.3032

Previews

White Background



This preview shows how the Yxy color 46.3167, 0.2465, 0.3452 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 46.3167, 0.2465, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

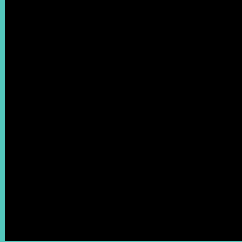
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

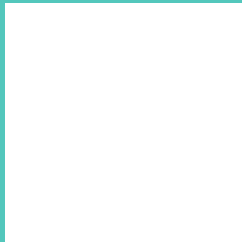
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3167, 0.2465, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 46.3167, 0.2465, 0.3452.

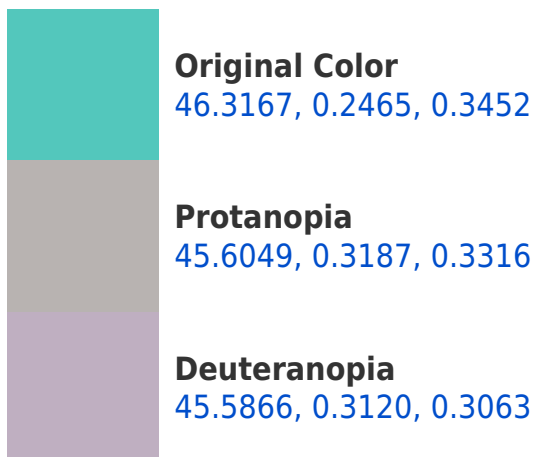


This preview shows how white text looks on a background with the Yxy color 46.3167, 0.2465, 0.3452.

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

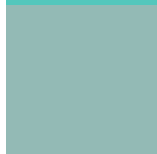
46.4583, 0.2377, 0.3075

Trichromacy



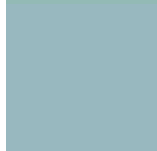
Original Color

46.3167, 0.2465, 0.3452



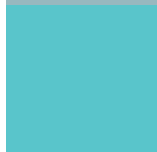
Protanomaly

44.6571, 0.2854, 0.3360



Deuteranomaly

44.7180, 0.2820, 0.3193



Tritanomaly

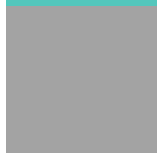
46.3681, 0.2407, 0.3201

Monochromacy



Original Color

46.3167, 0.2465, 0.3452



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.0976, 0.2810, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3167, 0.2465, 0.3452 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(83, 199, 188)` looks like.

```
.text, #text, p{  
    color:rgb(83, 199, 188)  
}
```

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(83, 199, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 199, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.3167, 0.2465, 0.3452 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(83, 199, 188) }
```

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

```
.border{ border-color:rgb(83, 199, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 199, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 199, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 199, 188);  
box-shadow:4px 4px 4px 4px rgb(83, 199,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3167, 0.2465, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 199, 188) }
```

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

```
.background{ background-color: rgb(83, 199,  
188) }
```

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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