

Converting Colors

$Yxy(46.9475, 0.2434, 0.3464)$

Have a look what the booklet for
Yxy(46.9475, 0.2434, 0.3464)
contains.

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Color

Yxy(46.9433, 0.2436, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	4BC9BD
RGB	75, 201, 189
RGB Percent	29%, 79%, 74%
CMY	0.7053, 0.2118, 0.2588
CMYK	0.63, 0.00, 0.06, 0.21
HSL	174°, 54%, 54%
HSV	174°, 63%, 79%
XYZ	32.9835, 46.9433, 55.4735
YIQ	161.9580, -71.2440, -30.4440

Conversions

Conversions Part 2

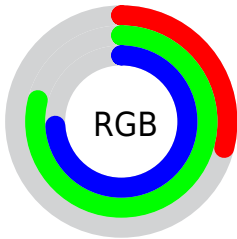
Format	Color
RYB	75, 141, 201
Decimal	4966845
CIELab	74.15, -37.23, -4.30
CIELCh	74, 37.477, 186.588
Yxy	46.9433, 0.2436, 0.3467
Android (android.graphics.Color)	4283156925 (0xFF4BC9BD)
YUV	161.9580, 13.3317, -76.2622
Hunter-Lab	68.5152, -33.9708, -0.0437

Details

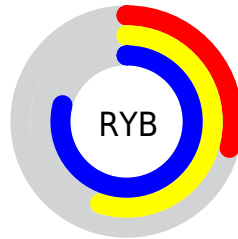
The Yxy color **46.9433, 0.2436, 0.3467** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **18.1599, 0.4924, 0.3155**, and the grayscale version is **36.0925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4309, 0.2551, 0.3403**, and **22.3353, 0.2305, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **46.1742, 0.2383, 0.3500**, and if you desaturate by 10%, it is **47.9732, 0.2508, 0.3435**.

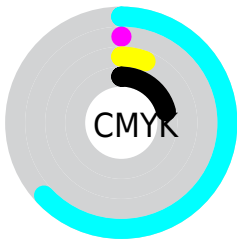
Distribution



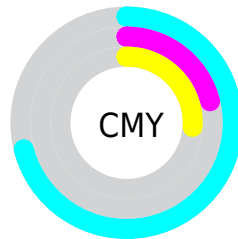
- Red (29%)
- Green (79%)
- Blue (74%)



- Red (29%)
- Yellow (55%)
- Blue (79%)



- Cyan (63%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)



- Cyan (71%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9433, 0.2436, 0.3467 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 46.9433, 0.2436, 0.3467 by changing the saturation by 10% instead.


 46.9433, 0.2436,
0.3467


 46.9433, 0.2436,
0.3467

374.5882, 0.2776,
0.3384


 32.9908, 0.2353,
0.3486


 85.6290, 0.2558,
0.3438


 22.1194, 0.2249,
0.3509


 111.1310, 0.2604,
0.3427

 13.9447, 0.2112,
0.3537


 141.2516, 0.2643,
0.3417

 8.0822, 0.1926,
0.3573

 176.3753, 0.2677,
0.3409

 4.1476, 0.1663,
0.3618

216.8864, 0.2707,
0.3402

 1.7565, 0.1218,
0.3687

263.1693, 0.2733,

 0.4598, 0.0000,

0.3395

0.3646

315.6084, 0.2755,
0.3389

■ 0.0000, 0.0000,
0.0000

■ 46.9433, 0.2436,
0.3467

■ 46.9433, 0.2436,
0.3467

■ 46.1742, 0.2383,
0.3500

■ 47.9732, 0.2508,
0.3435

■ 45.6355, 0.2349,
0.3532

■ 49.2803, 0.2598,
0.3404

■ 45.2989, 0.2333,
0.3564

■ 50.8858, 0.2703,
0.3374

■ 45.1398, 0.2330,
0.3588

■ 52.8075, 0.2823,
0.3346

■ 55.0618, 0.2953,
0.3320

■ 57.6637, 0.3090,
0.3296

■ 60.6277, 0.3233,
0.3274

■ 63.9672, 0.3378,
0.3255

■ 67.4955, 0.3515,
0.3237

Harmonies

Analogous

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



46.9433, 0.2851, 0.3961



46.9433, 0.2436, 0.3467



46.9433, 0.2211, 0.2963

Triad

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



46.9433, 0.2436, 0.3467



46.9433, 0.2827, 0.2515



46.9433, 0.4127, 0.3879

Complementary

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



46.9433, 0.2436, 0.3467



18.1599, 0.4924, 0.3155

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.



46.9433, 0.4139, 0.3481



46.9433, 0.2436, 0.3467



46.9433, 0.3351, 0.2733

Square

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



46.9433, 0.2436, 0.3467



46.9433, 0.2422, 0.2466



46.9433, 0.3846, 0.3075



46.9433, 0.3833, 0.4170

Rectangle

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



46.9433, 0.2436, 0.3467



46.9433, 0.2184, 0.2707



46.9433, 0.3846, 0.3075



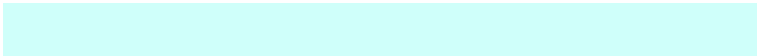
46.9433, 0.4166, 0.3752

Sweetspot

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



46.9451, 0.2436, 0.3467



91.6472, 0.2865, 0.3337



44.3404, 0.3101, 0.5256



19.3879, 0.2828, 0.3345



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.



46.9451, 0.2436, 0.3467



78.7043, 0.2369, 0.3511



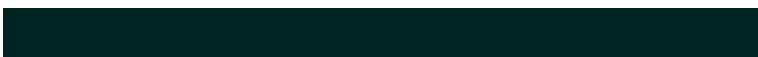
27.7416, 0.2194, 0.2487



12.0495, 0.2996, 0.3312



28.3931, 0.2329, 0.3584



1.3496, 0.2310, 0.3516

Inverse Universe

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



18.1599, 0.4924, 0.3155



25.5071, 0.5529, 0.3163



27.7179, 0.4628, 0.3916



10.6531, 0.3275, 0.3268



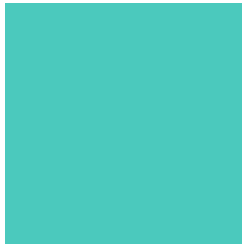
7.8437, 0.6279, 0.3233



0.3771, 0.5912, 0.3031

Previews

White Background



This preview shows how the Yxy color 46.9433, 0.2436, 0.3467 looks on a white background.

Color Contrast Check

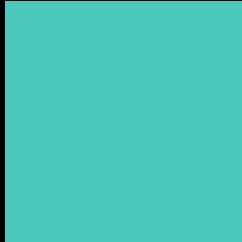
Large Text (above 18pt) WCAG AA × Fail

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 46.9433, 0.2436, 0.3467 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

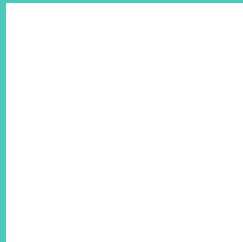
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9433, 0.2436, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 46.9433, 0.2436, 0.3467.

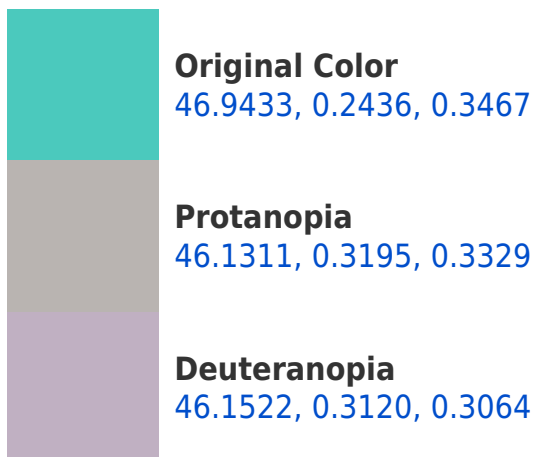


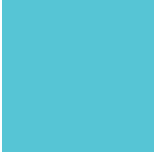
This preview shows how white text looks on a background with the Yxy color 46.9433, 0.2436, 0.3467.

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

46.7150, 0.2347, 0.3061

Trichromacy



Original Color

46.9433, 0.2436, 0.3467



Protanomaly

45.3224, 0.2840, 0.3388



Deuteranomaly

44.9877, 0.2799, 0.3193



Tritanomaly

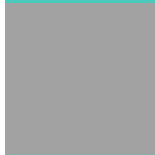
46.5416, 0.2378, 0.3201

Monochromacy



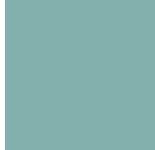
Original Color

46.9433, 0.2436, 0.3467



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.7751, 0.2779, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9433, 0.2436, 0.3467 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(75, 201, 189)` looks like.

```
.text, #text, p{  
    color:rgb(75, 201, 189)  
}
```

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(75, 201, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 201, 189) }
```

Border

The CSS property to change the border of an element to Yxy 46.9433, 0.2436, 0.3467 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(75, 201, 189) }
```

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

```
.border{ border-color:rgb(75, 201, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 201, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 201, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 201, 189);  
box-shadow:4px 4px 4px 4px rgb(75, 201,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9433, 0.2436, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 201, 189) }
```

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

```
.background{ background-color: rgb(75, 201,  
189) }
```

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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