

Converting Colors

$Y_{xy}(48.8199, 0.2368, 0.3517)$

Have a look what the booklet for
Yxy(48.8199, 0.2368, 0.3517)
contains.

Yxy(49.0156, 0.2370, 0.3527)	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(49.0156, 0.2370, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	30CFBF
RGB	48, 207, 191
RGB Percent	19%, 81%, 75%
CMY	0.8117, 0.1882, 0.2509
CMYK	0.77, 0.00, 0.08, 0.19
HSL	174°, 62%, 50%
HSV	174°, 77%, 81%
XYZ	32.9365, 49.0156, 57.0204
YIQ	157.6350, -89.6280, -38.6840

Conversions

Conversions Part 2

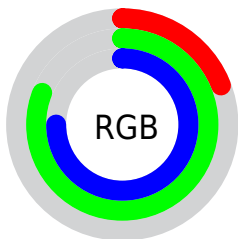
Format	Color
RYB	48, 132, 207
Decimal	3198911
CIELab	75.46, -43.03, -3.52
CIElCh	75, 43.176, 184.672
Yxy	49.0156, 0.2370, 0.3527
Android (android.graphics.Color)	4281388991 (0xFF30CFBF)
YUV	157.6350, 16.4489, -96.1499
Hunter-Lab	70.0111, -38.5448, 0.7192

Details

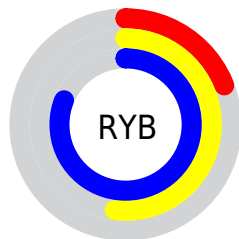
The Yxy color **49.0156, 0.2370, 0.3527** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.7506, 0.5555, 0.3157**, and the grayscale version is **33.9750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3003, 0.2483, 0.3381**, and **24.2915, 0.2326, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **48.5351, 0.2345, 0.3562**, and if you desaturate by 10%, it is **49.7358, 0.2414, 0.3492**.

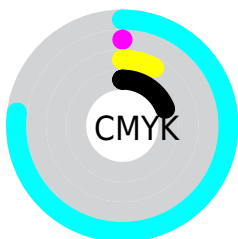
Distribution



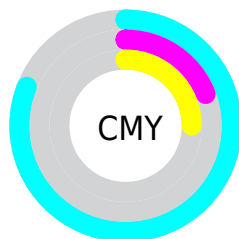
- Red (19%)
- Green (81%)
- Blue (75%)



- Red (19%)
- Yellow (52%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)





- Cyan (81%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0156, 0.2370, 0.3527 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 49.0156, 0.2370, 0.3527 by changing the saturation by 10% instead.

 49.0156, 0.2370,
0.3527


 49.0156, 0.2370,
0.3527


382.8037, 0.2739,
0.3415


 34.6319, 0.2281,
0.3553


 88.7146, 0.2502,
0.3488

 23.3794, 0.2169,
0.3584


 114.7987, 0.2552,
0.3473


 14.8739, 0.2024,
0.3624


 145.5517, 0.2595,
0.3460

 8.7310, 0.1829,
0.3675

 181.3579, 0.2632,
0.3449

 4.5661, 0.1556,
0.3740

 222.6018, 0.2664,
0.3439

 1.9950, 0.1110,
0.3841

269.6679, 0.2692,

 0.6046, 0.0000,

0.3430

0.4007

322.9404, 0.2717,
0.3422

■ 0.0000, 0.0000,
0.0000

■ 49.0156, 0.2370,
0.3527

■ 49.0156, 0.2370,
0.3527

■ 48.5351, 0.2345,
0.3562

■ 49.7358, 0.2414,
0.3492

■ 48.2507, 0.2336,
0.3596

■ 50.7190, 0.2478,
0.3458

■ 48.1797, 0.2335,
0.3607

■ 51.9919, 0.2560,
0.3425

■ 53.5763, 0.2659,
0.3392

■ 55.4920, 0.2772,
0.3362

■ 57.7572, 0.2898,
0.3333

■ 60.3887, 0.3032,
0.3307

■ 63.4023, 0.3173,
0.3283

■ 66.8127, 0.3316,
0.3261

Harmonies

Analogous

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



49.0156, 0.2844, 0.4091



49.0156, 0.2370, 0.3527



49.0156, 0.2108, 0.2944

Triad

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



49.0156, 0.2370, 0.3527



49.0156, 0.2751, 0.2414



49.0156, 0.4269, 0.3915

Complementary

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



49.0156, 0.2370, 0.3527



15.7506, 0.5555, 0.3157

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.



49.0156, 0.4265, 0.3465



49.0156, 0.2370, 0.3527



49.0156, 0.3338, 0.2646

Square

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



49.0156, 0.2370, 0.3527



49.0156, 0.2312, 0.2369



49.0156, 0.3913, 0.3017



49.0156, 0.3948, 0.4267

Rectangle

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



49.0156, 0.2370, 0.3527



49.0156, 0.2069, 0.2649



49.0156, 0.3913, 0.3017



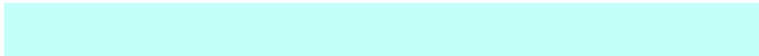
49.0156, 0.4308, 0.3770

Sweetspot

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



49.0175, 0.2370, 0.3527



90.1486, 0.2815, 0.3351



46.0180, 0.3083, 0.5646



19.0262, 0.2771, 0.3362



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.



49.0175, 0.2370, 0.3527



77.4653, 0.2338, 0.3583



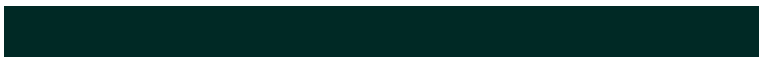
25.7085, 0.2046, 0.2310



13.3857, 0.2996, 0.3313



30.3626, 0.2334, 0.3602



1.7037, 0.2316, 0.3539

Inverse Universe

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



15.7506, 0.5555, 0.3157



21.9564, 0.6141, 0.3214



24.4073, 0.5120, 0.3938



11.8273, 0.3275, 0.3267



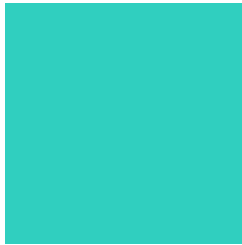
8.3980, 0.6274, 0.3230



0.4763, 0.5932, 0.3041

Previews

White Background



This preview shows how the Yxy color 49.0156, 0.2370, 0.3527 looks on a white background.

Color Contrast Check

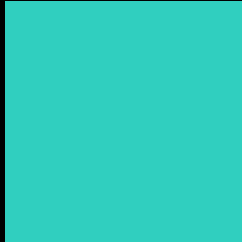
Large Text (above 18pt) WCAG AA × Fail

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 49.0156, 0.2370, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

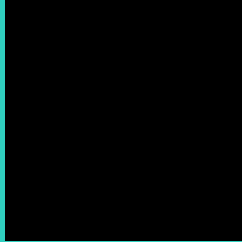
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

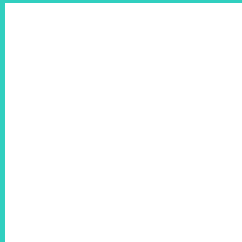
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0156, 0.2370, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 49.0156, 0.2370, 0.3527.

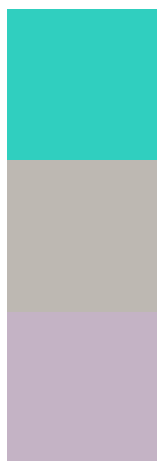


This preview shows how white text looks on a background with the Yxy color 49.0156, 0.2370, 0.3527.

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



Original Color

49.0156, 0.2370, 0.3527

Protanopia

48.3141, 0.3217, 0.3367

Deuteranopia

48.0072, 0.3129, 0.3068



Tritanopia

49.0196, 0.2278, 0.3063

Trichromacy



Original Color

49.0156, 0.2370, 0.3527



Protanomaly

46.5214, 0.2781, 0.3416



Deuteranomaly

46.0861, 0.2727, 0.3206



Tritanomaly

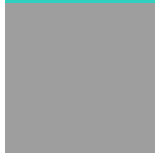
48.7498, 0.2306, 0.3216

Monochromacy



Original Color

49.0156, 0.2370, 0.3527



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.8045, 0.2706, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0156, 0.2370, 0.3527 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(48, 207, 191)` looks like.

```
.text, #text, p{  
    color:rgb(48, 207, 191)  
}
```

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(48, 207, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 207, 191) }
```

Border

The CSS property to change the border of an element to Yxy 49.0156, 0.2370, 0.3527 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(48, 207, 191) }
```

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

```
.border{ border-color:rgb(48, 207, 191) }
```

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

Here you see how a box with a 4 pixel rgb(48, 207, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 207, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 207, 191);  
box-shadow:4px 4px 4px 4px rgb(48, 207,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0156, 0.2370, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 207, 191) }
```

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

```
.background{ background-color: rgb(48, 207,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor