

Converting Colors

$Y_{xy}(50.1299, 0.2553, 0.3513)$

Have a look what the booklet for
Yxy(50.1299, 0.2553, 0.3513)
contains.

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Color

Yxy(50.1035, 0.2555, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	65CDBD
RGB	101, 205, 189
RGB Percent	40%, 80%, 74%
CMY	0.6042, 0.1960, 0.2588
CMYK	0.51, 0.00, 0.08, 0.20
HSL	171°, 51%, 60%
HSV	171°, 51%, 80%
XYZ	36.3781, 50.1035, 55.8984
YIQ	172.0800, -56.8480, -27.0240

Conversions

Conversions Part 2

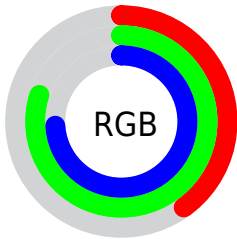
Format	Color
RYB	101, 157, 205
Decimal	6671805
CIELab	76.13, -34.10, -1.29
CIELCh	76, 34.123, 182.173
Yxy	50.1035, 0.2555, 0.3519
Android (android.graphics.Color)	4284861885 (0xFF65CDBD)
YUV	172.0800, 8.3416, -62.3372
Hunter-Lab	70.7838, -32.1348, 2.7270

Details

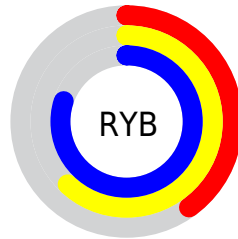
The Yxy color **50.1035, 0.2555, 0.3519** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.5591, 0.4335, 0.3091**, and the grayscale version is **41.2694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4835, 0.2647, 0.3400**, and **23.9836, 0.2399, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **48.9314, 0.2484, 0.3572**, and if you desaturate by 10%, it is **51.5775, 0.2643, 0.3468**.

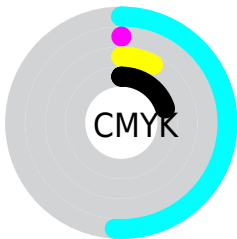
Distribution



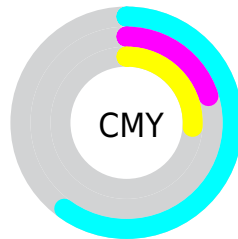
- Red (40%)
- Green (80%)
- Blue (74%)



- Red (40%)
- Yellow (62%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)





- Cyan (60%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1035, 0.2555, 0.3519 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 50.1035, 0.2555, 0.3519 by changing the saturation by 10% instead.


 50.1035, 0.2555,
0.3519

 50.1035, 0.2555,
0.3519

387.0706, 0.2835,
0.3408

 35.4956, 0.2487,
0.3546


 90.3282, 0.2655,
0.3479

 24.0449, 0.2401,
0.3579


 116.7138, 0.2694,
0.3464

 15.3669, 0.2288,
0.3623


 147.7942, 0.2726,
0.3452

 9.0773, 0.2135,
0.3681

 183.9537, 0.2754,
0.3440

 4.7917, 0.1917,
0.3763

225.5766, 0.2778,
0.3431

 2.1255, 0.1582,
0.3885

273.0475, 0.2799,

 0.6789, 0.0000,

0.3422

0.4500

326.7507, 0.2818,
0.3415

0.0000, 0.0000,
0.0000

50.1035, 0.2555,
0.3519

50.1035, 0.2555,
0.3519

48.9314, 0.2484,
0.3572

51.5775, 0.2643,
0.3468

48.0330, 0.2432,
0.3627

53.3678, 0.2746,
0.3419

47.3846, 0.2399,
0.3681

55.4944, 0.2861,
0.3373

46.9559, 0.2385,
0.3736

57.9745, 0.2986,
0.3331

46.7037, 0.2385,
0.3786

60.8237, 0.3117,
0.3293

■ 64.0569, 0.3252,
0.3258

■ 67.6881, 0.3388,
0.3227

■ 69.7950, 0.3446,
0.3197

■ 69.9579, 0.3423,
0.3165

Harmonies

Analogous

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



50.1035, 0.2949, 0.3933



50.1035, 0.2555, 0.3519



50.1035, 0.2321, 0.3063

Triad

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



50.1035, 0.2555, 0.3519



50.1035, 0.2798, 0.2574



50.1035, 0.4039, 0.3776

Complementary

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



50.1035, 0.2555, 0.3519



23.5591, 0.4335, 0.3091

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.



50.1035, 0.4005, 0.3413



50.1035, 0.2555, 0.3519



50.1035, 0.3258, 0.2752

Square

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



50.1035, 0.2555, 0.3519



50.1035, 0.2454, 0.2557



50.1035, 0.3711, 0.3049



50.1035, 0.3813, 0.4051

Rectangle

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



50.1035, 0.2555, 0.3519



50.1035, 0.2276, 0.2817



50.1035, 0.3711, 0.3049



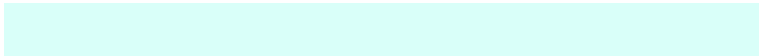
50.1035, 0.4058, 0.3660

Sweetspot

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



50.1055, 0.2555, 0.3519



93.0802, 0.2930, 0.3350



48.4779, 0.3164, 0.4841



19.7388, 0.2903, 0.3359



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.



50.1055, 0.2555, 0.3519



79.9717, 0.2478, 0.3578



36.0411, 0.2371, 0.2773



12.6962, 0.3004, 0.3326



29.0826, 0.2383, 0.3778



1.5086, 0.2353, 0.3672

Inverse Universe

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



23.5591, 0.4335, 0.3091



31.7087, 0.4770, 0.3066



31.4231, 0.4311, 0.3734



11.2413, 0.3266, 0.3255



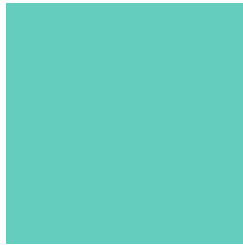
8.1523, 0.6171, 0.3173



0.4297, 0.5688, 0.2907

Previews

White Background



This preview shows how the Yxy color 50.1035, 0.2555, 0.3519 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 50.1035, 0.2555, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

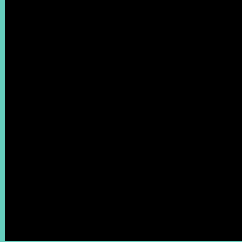
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

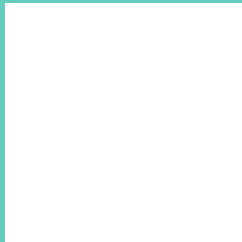
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1035, 0.2555, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 50.1035, 0.2555, 0.3519.

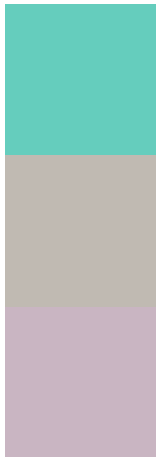


This preview shows how white text looks on a background with the Yxy color 50.1035, 0.2555, 0.3519.

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

50.1035, 0.2555, 0.3519

Protanopia

49.5386, 0.3241, 0.3392

Deuteranopia

49.3603, 0.3194, 0.3132



Tritanopia

50.0980, 0.2442, 0.3071

Trichromacy



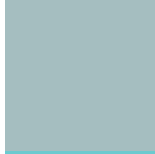
Original Color

50.1035, 0.2555, 0.3519



Protanomaly

48.8883, 0.2941, 0.3438



Deuteranomaly

48.6320, 0.2915, 0.3263



Tritanomaly

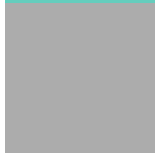
49.8719, 0.2481, 0.3219

Monochromacy



Original Color

50.1035, 0.2555, 0.3519



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.6063, 0.2866, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1035, 0.2555, 0.3519 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(101, 205, 189)` looks like.

```
.text, #text, p{  
    color:rgb(101, 205, 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(101, 205, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 205, 189) }
```

Border

The CSS property to change the border of an element to Yxy 50.1035, 0.2555, 0.3519 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(101, 205, 189) }
```

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

```
.border{ border-color:rgb(101, 205, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 205, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 205, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 205, 189);  
box-shadow:4px 4px 4px 4px rgb(101, 205,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1035, 0.2555, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 205, 189) }
```

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

```
.background{ background-color: rgb(101,  
205, 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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