

Converting Colors

$Yxy(50.3192, 0.2557, 0.3514)$

Have a look what the booklet for
Yxy(50.3192, 0.2557, 0.3514)
contains.

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Color

$\text{Yxy}(50.2051, 0.2555, 0.3504)$

Conversions

Conversions Part 1

Format	Color
Hex	66CDBE
RGB	102, 205, 190
RGB Percent	40%, 80%, 75%
CMY	0.5998, 0.1961, 0.2550
CMYK	0.50, 0.00, 0.07, 0.20
HSL	171°, 51%, 60%
HSV	171°, 50%, 80%
XYZ	36.6079, 50.2051, 56.4664
YIQ	172.4930, -56.5730, -26.5010

Conversions

Conversions Part 2

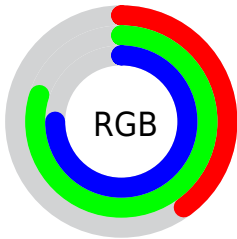
Format	Color
RYB	102, 158, 205
Decimal	6737342
CIELab	76.19, -33.60, -1.73
CIELCh	76, 33.648, 182.943
Yxy	50.2051, 0.2555, 0.3504
Android (android.graphics.Color)	4284927422 (0xFF66CDBE)
YUV	172.4930, 8.6310, -61.8224
Hunter-Lab	70.8556, -31.7743, 2.3493

Details

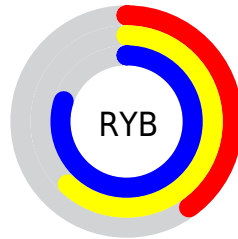
The Yxy color **50.2051, 0.2555, 0.3504** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.7786, 0.4326, 0.3103**, and the grayscale version is **41.5017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6474, 0.2647, 0.3389**, and **24.0502, 0.2399, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **49.0236, 0.2482, 0.3554**, and if you desaturate by 10%, it is **51.6894, 0.2645, 0.3456**.

Distribution



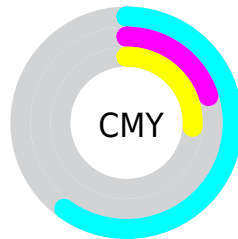
- Red (40%)
- Green (80%)
- Blue (75%)



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



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2051, 0.2555, 0.3504 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 50.2051, 0.2555, 0.3504 by changing the saturation by 10% instead.


 50.2051, 0.2555,
0.3504

 50.2051, 0.2555,
0.3504


387.4675, 0.2835,
0.3401


 35.5764, 0.2487,
0.3529


 90.4787, 0.2655,
0.3467


 24.1072, 0.2401,
0.3559


 116.8924, 0.2693,
0.3453

 15.4132, 0.2289,
0.3599


 148.0031, 0.2726,
0.3441

 9.1099, 0.2137,
0.3653

 184.1954, 0.2754,
0.3431

 4.8129, 0.1919,
0.3727

225.8536, 0.2778,
0.3422

 2.1379, 0.1587,
0.3835

273.3621, 0.2799,

 0.6858, 0.0000,

0.3414

0.4415

327.1052, 0.2818,
0.3407

0.0000, 0.0000,
0.0000

50.2051, 0.2555,
0.3504

50.2051, 0.2555,
0.3504

49.0236, 0.2482,
0.3554

51.6894, 0.2645,
0.3456

48.1168, 0.2429,
0.3605

53.4905, 0.2749,
0.3410

47.4612, 0.2394,
0.3657

55.6287, 0.2866,
0.3367

47.0267, 0.2378,
0.3709

58.1208, 0.2992,
0.3327

46.7611, 0.2377,
0.3758

60.9825, 0.3124,
0.3291

■ 64.2287, 0.3260,
0.3258

■ 67.8732, 0.3398,
0.3229

■ 69.7722, 0.3449,
0.3200

■ 69.9263, 0.3426,
0.3170

Harmonies

Analogous

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



50.2051, 0.2941, 0.3914



50.2051, 0.2555, 0.3504



50.2051, 0.2329, 0.3057

Triad

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



50.2051, 0.2555, 0.3504



50.2051, 0.2814, 0.2587



50.2051, 0.4023, 0.3779

Complementary

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



50.2051, 0.2555, 0.3504



23.7786, 0.4326, 0.3103

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.



50.2051, 0.3996, 0.3422



50.2051, 0.2555, 0.3504



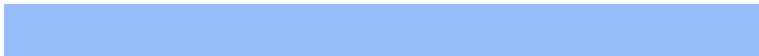
50.2051, 0.3268, 0.2765

Square

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



50.2051, 0.2555, 0.3504



50.2051, 0.2470, 0.2565



50.2051, 0.3712, 0.3062



50.2051, 0.3795, 0.4045

Rectangle

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



50.2051, 0.2555, 0.3504



50.2051, 0.2287, 0.2816



50.2051, 0.3712, 0.3062



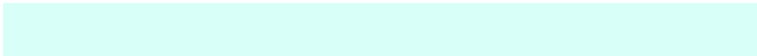
50.2051, 0.4044, 0.3665

Sweetspot

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



50.2071, 0.2555, 0.3504



93.0993, 0.2928, 0.3346



48.4389, 0.3153, 0.4827



19.7434, 0.2901, 0.3355



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.



50.2071, 0.2555, 0.3504



80.2100, 0.2479, 0.3557



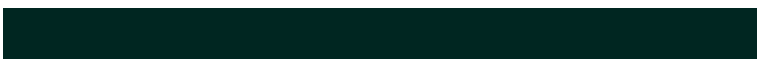
35.6000, 0.2373, 0.2753



12.6978, 0.3003, 0.3324



29.1219, 0.2375, 0.3751



1.5102, 0.2348, 0.3651

Inverse Universe

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



23.7786, 0.4326, 0.3103



32.2260, 0.4744, 0.3079



32.1409, 0.4281, 0.3752



11.2399, 0.3267, 0.3256



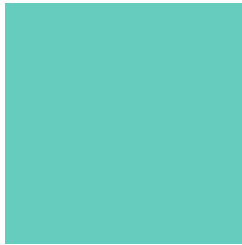
8.1467, 0.6188, 0.3183



0.4291, 0.5720, 0.2925

Previews

White Background



This preview shows how the Yxy color 50.2051, 0.2555, 0.3504 looks on a white background.

Color Contrast Check

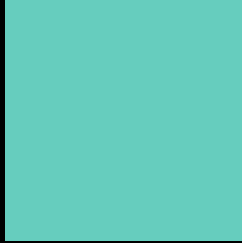
Large Text (above 18pt) WCAG AA × Fail

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 50.2051, 0.2555, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

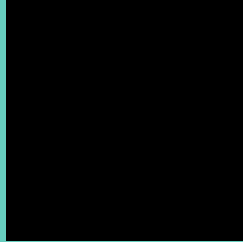
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

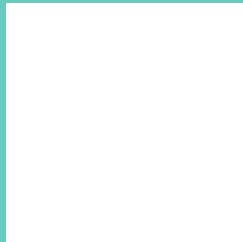
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2051, 0.2555, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 50.2051, 0.2555, 0.3504.

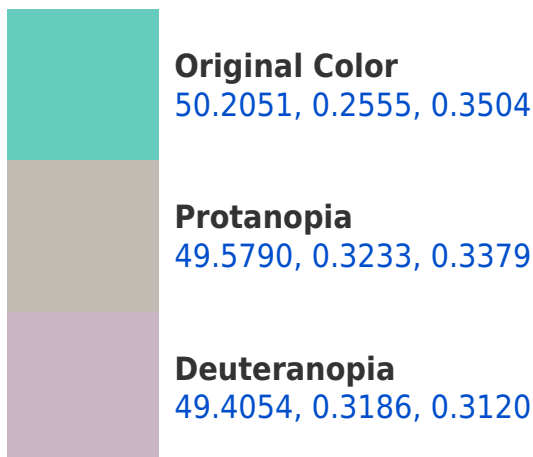


This preview shows how white text looks on a background with the Yxy color 50.2051, 0.2555, 0.3504.

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

50.1625, 0.2447, 0.3071

Trichromacy



Original Color

50.2051, 0.2555, 0.3504



Protanomaly

48.9298, 0.2934, 0.3425



Deuteranomaly

48.6765, 0.2908, 0.3250



Tritanomaly

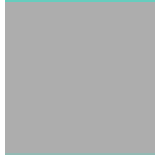
49.9342, 0.2486, 0.3219

Monochromacy



Original Color

50.2051, 0.2555, 0.3504



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.1556, 0.2867, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2051, 0.2555, 0.3504 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(102, 205, 190)` looks like.

```
.text, #text, p{  
    color:rgb(102, 205, 190)  
}
```

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(102, 205, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 205, 190) }
```

Border

The CSS property to change the border of an element to Yxy 50.2051, 0.2555, 0.3504 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(102, 205, 190) }
```

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

```
.border{ border-color:rgb(102, 205, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 205, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 205, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 205, 190);  
box-shadow:4px 4px 4px 4px rgb(102, 205,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2051, 0.2555, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 205, 190) }
```

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

```
.background{ background-color: rgb(102,  
205, 190) }
```

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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