

Converting Colors

$Y_{xy}(54.5050, 0.2570, 0.3222)$

Have a look what the booklet for
Yxy(54.5050, 0.2570, 0.3222)
contains.

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Color

Yxy(54.5050, 0.2570, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	80D0D5
RGB	128, 208, 213
RGB Percent	50%, 82%, 84%
CMY	0.4978, 0.1843, 0.1647
CMYK	0.40, 0.02, 0.00, 0.16
HSL	184°, 50%, 67%
HSV	184°, 40%, 84%
XYZ	43.4754, 54.5050, 71.1847
YIQ	184.6500, -49.2850, -15.4050

Conversions

Conversions Part 2

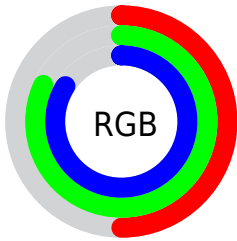
Format	Color
RYB	128, 169, 213
Decimal	8442069
CIELab	78.76, -23.18, -10.21
CIELCh	79, 25.331, 203.773
Yxy	54.5050, 0.2570, 0.3222
Android (android.graphics.Color)	4286632149 (0xFF80D0D5)
YUV	184.6500, 13.9765, -49.6821
Hunter-Lab	73.8275, -24.0833, -5.4883

Details

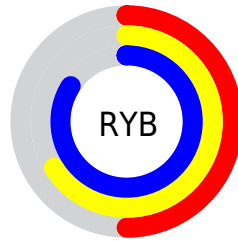
The Yxy color **54.5050, 0.2570, 0.3222** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.5038, 0.4103, 0.3355**, and the grayscale version is **48.2613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **26.6288, 0.2430, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **52.4134, 0.2462, 0.3203**, and if you desaturate by 10%, it is **56.9525, 0.2693, 0.3241**.

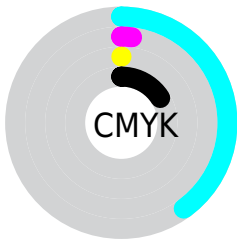
Distribution



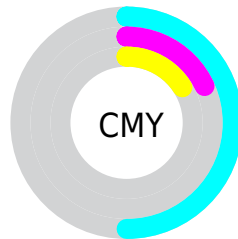
- Red (50%)
- Green (82%)
- Blue (84%)



- Red (50%)
- Yellow (66%)
- Blue (84%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)





- Cyan (50%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5050, 0.2570, 0.3222 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 54.5050, 0.2570, 0.3222 by changing the saturation by 10% instead.

 54.5050, 0.2570,
0.3222


 54.5050, 0.2570,
0.3222


404.0328, 0.2836,
0.3261

 39.0055, 0.2507,
0.3211


 96.8153, 0.2664,
0.3237

 26.7640, 0.2429,
0.3197


 124.3950, 0.2700,
0.3242

 17.3961, 0.2327,
0.3176


 156.7702, 0.2731,
0.3247

 10.5173, 0.2193,
0.3146

194.3253, 0.2758,
0.3251

 5.7433, 0.2005,
0.3098

237.4447, 0.2781,
0.3254

 2.6896, 0.1729,
0.3012

286.5128, 0.2802,

 0.9719, 0.1064,

0.3256

0.2909

341.9141, 0.2820,
0.3259

0.0000, 0.0000,
0.0000

54.5050, 0.2570,
0.3222

54.5050, 0.2570,
0.3222

52.4134, 0.2462,
0.3203

56.9525, 0.2693,
0.3241

50.6493, 0.2372,
0.3183

59.7695, 0.2830,
0.3258

49.1907, 0.2301,
0.3163


62.9765, 0.2976,
0.3275


48.0096, 0.2248,
0.3143


66.5909, 0.3129,
0.3290

47.0732, 0.2215,
0.3123


70.6286, 0.3286,
0.3304

 46.3226, 0.2196,
0.3103

 74.9403, 0.3438,
0.3317

 46.3139, 0.2195,
0.3103

 75.5854, 0.3436,
0.3329

 76.2353, 0.3434,
0.3342

 76.8903, 0.3432,
0.3355

Harmonies

Analogous

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



54.5050, 0.2785, 0.3546



54.5050, 0.2570, 0.3222



54.5050, 0.2499, 0.2941

Triad

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



54.5050, 0.2570, 0.3222



54.5050, 0.3129, 0.2843



54.5050, 0.3689, 0.3804

Complementary

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



54.5050, 0.2570, 0.3222



32.5038, 0.4103, 0.3355

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.



54.5050, 0.3798, 0.3587



54.5050, 0.2570, 0.3222



54.5050, 0.3465, 0.3047

Square

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



54.5050, 0.2570, 0.3222



54.5050, 0.2808, 0.2744



54.5050, 0.3716, 0.3313



54.5050, 0.3429, 0.3893

Rectangle

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



54.5050, 0.2570, 0.3222



54.5050, 0.2538, 0.2815



54.5050, 0.3716, 0.3313



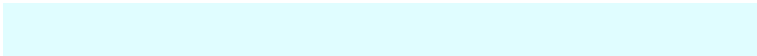
54.5050, 0.3745, 0.3742

Sweetspot

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



54.5071, 0.2570, 0.3222



93.5040, 0.2942, 0.3271



53.8613, 0.3045, 0.4446



19.8740, 0.2923, 0.3269



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.



54.5071, 0.2570, 0.3222



79.1698, 0.2476, 0.3205



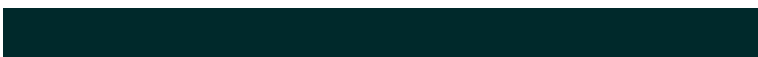
36.7758, 0.2479, 0.2634



13.9764, 0.2983, 0.3276



28.3417, 0.2196, 0.3106



1.7484, 0.2206, 0.3140

Inverse Universe

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



34.1557, 0.3221, 0.2363



44.6890, 0.3244, 0.2181



46.2830, 0.3891, 0.3862



12.6195, 0.3147, 0.3074



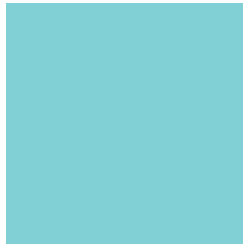
11.2060, 0.3362, 0.1626



0.6798, 0.3333, 0.1610

Previews

White Background



This preview shows how the Yxy color 54.5050, 0.2570, 0.3222 looks on a white background.

Color Contrast Check

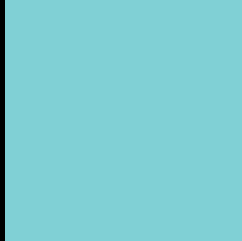
Large Text (above 18pt) WCAG AA × Fail

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 54.5050, 0.2570, 0.3222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

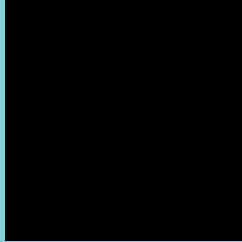
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.5050, 0.2570, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 54.5050, 0.2570, 0.3222.



This preview shows how white text looks on a background with the Yxy color 54.5050, 0.2570, 0.3222.

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

54.5050, 0.2570, 0.3222

Protanopia

54.1017, 0.3062, 0.3157

Deuteranopia

53.9615, 0.3023, 0.2962



Tritanopia

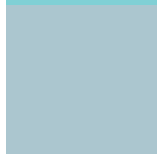
54.2956, 0.2529, 0.3068

Trichromacy



Original Color

54.5050, 0.2570, 0.3222



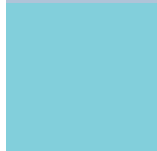
Protanomaly

53.5511, 0.2861, 0.3176



Deuteranomaly

53.5517, 0.2830, 0.3042



Tritanomaly

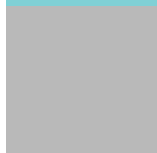
54.4859, 0.2546, 0.3132

Monochromacy



Original Color

54.5050, 0.2570, 0.3222



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

49.9726, 0.2888, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5050, 0.2570, 0.3222 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(128, 208, 213)` looks like.

```
.text, #text, p{  
    color:rgb(128, 208, 213)  
}
```

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(128, 208, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 208, 213) }
```

Border

The CSS property to change the border of an element to Yxy 54.5050, 0.2570, 0.3222 is called "border". The border property can be set on classes, ids or directly on the HTML element.

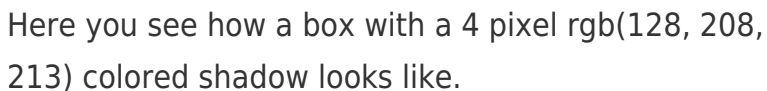
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 208, 213) }
```

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

```
.border{ border-color:rgb(128, 208, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 208, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 208, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 208, 213); box-shadow:4px 4px 4px 4px rgb(128, 208, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5050, 0.2570, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 208, 213) }
```

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

```
.background{ background-color: rgb(128,  
208, 213) }
```

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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