

Converting Colors

$Y_{xy}(54.7003, 0.2513, 0.3101)$

Have a look what the booklet for
Yxy(54.7003, 0.2513, 0.3101)
contains.

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Color

Yxy(54.8213, 0.2512, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	7ED0DE
RGB	126, 208, 222
RGB Percent	49%, 82%, 87%
CMY	0.5061, 0.1843, 0.1295
CMYK	0.43, 0.06, 0.00, 0.13
HSL	189°, 59%, 68%
HSV	189°, 43%, 87%
XYZ	44.3371, 54.8213, 77.3429
YIQ	185.0780, -53.3660, -13.0300

Conversions

Conversions Part 2

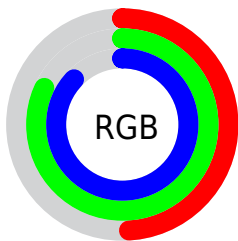
Format	Color
R _{YB}	126, 170, 222
Decimal	8311006
CIE Lab	78.94, -21.44, -14.76
CIE LCh	79, 26.033, 214.549
Yxy	54.8213, 0.2512, 0.3106
Android (android.graphics.Color)	4286501086 (0xFF7ED0DE)
YUV	185.0780, 18.2025, -51.8114
Hunter-Lab	74.0414, -22.6839, -10.1047

Details

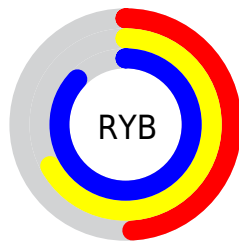
The Yxy color **54.8213, 0.2512, 0.3106** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.7657, 0.4184, 0.3460**, and the grayscale version is **48.4745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **26.8377, 0.2358, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **51.7607, 0.2400, 0.3056**, and if you desaturate by 10%, it is **58.2926, 0.2639, 0.3154**.

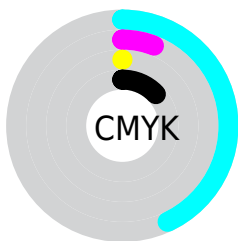
Distribution



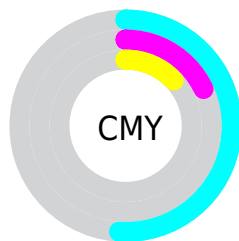
- Red (49%)
- Green (82%)
- Blue (87%)



- Red (49%)
- Yellow (67%)
- Blue (87%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (51%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8213, 0.2512, 0.3106 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 54.8213, 0.2512, 0.3106 by changing the saturation by 10% instead.

■ 54.8213, 0.2512,
0.3106

■ 54.8213, 0.2512,
0.3106

405.2342, 0.2804,
0.3202

■ 39.2587, 0.2444,
0.3081

■ 97.2791, 0.2615,
0.3142

■ 26.9610, 0.2358,
0.3049

■ 124.9430, 0.2654,
0.3155

■ 17.5439, 0.2249,
0.3006

■ 157.4095, 0.2688,
0.3166

■ 10.6231, 0.2105,
0.2944

195.0630, 0.2718,
0.3175

■ 5.8140, 0.1907,
0.2852

238.2878, 0.2744,
0.3183

■ 2.7323, 0.1620,
0.2702

287.4683, 0.2766,

■ 0.9936, 0.1034,

0.3190

0.2463

342.9890, 0.2786,
0.3197

0.0000, 0.0000,
0.0000

54.8213, 0.2512,
0.3106

54.8213, 0.2512,
0.3106

51.7607, 0.2400,
0.3056

58.2926, 0.2639,
0.3154

49.0791, 0.2305,
0.3005

62.1911, 0.2777,
0.3198

46.7503, 0.2229,
0.2953

66.5401, 0.2924,
0.3240

44.7418, 0.2172,
0.2902

71.3593, 0.3077,
0.3278

43.0141, 0.2134,
0.2850

76.6670, 0.3232,
0.3313

■ 41.9655, 0.2116,
0.2816

■ 81.6872, 0.3357,
0.3345

■ 83.4748, 0.3353,
0.3377

■ 85.2957, 0.3349,
0.3408

■ 87.1502, 0.3345,
0.3440

Harmonies

Analogous

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



54.8213, 0.2682, 0.3435



54.8213, 0.2512, 0.3106



54.8213, 0.2497, 0.2855

Triad

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



54.8213, 0.2512, 0.3106



54.8213, 0.3256, 0.2897



54.8213, 0.3622, 0.3869

Complementary

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



54.8213, 0.2512, 0.3106



35.7657, 0.4184, 0.3460

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.



54.8213, 0.3797, 0.3684



54.8213, 0.2512, 0.3106



54.8213, 0.3582, 0.3134

Square

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



54.8213, 0.2512, 0.3106



54.8213, 0.2910, 0.2753



54.8213, 0.3784, 0.3416



54.8213, 0.3318, 0.3897

Rectangle

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



54.8213, 0.2512, 0.3106



54.8213, 0.2574, 0.2758



54.8213, 0.3784, 0.3416



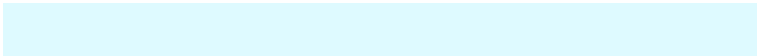
54.8213, 0.3698, 0.3821

Sweetspot

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



54.8234, 0.2512, 0.3106



91.2069, 0.2927, 0.3241



58.5247, 0.2994, 0.4453



19.2263, 0.2893, 0.3232



0.0000, 0.0000, 0.0000



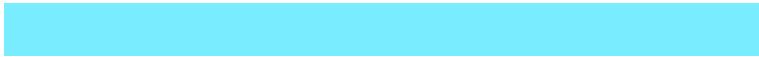
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.8234, 0.2512, 0.3106



71.2088, 0.2409, 0.3061



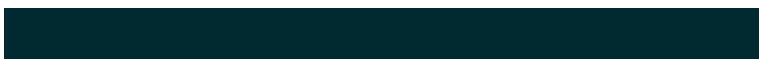
35.2511, 0.2401, 0.2450



15.2146, 0.2982, 0.3255



25.0568, 0.2118, 0.2823



1.8309, 0.2140, 0.2902

Inverse Universe

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



34.9905, 0.3312, 0.2367



41.3166, 0.3362, 0.2193



52.4771, 0.3933, 0.3999



13.8995, 0.3160, 0.3092



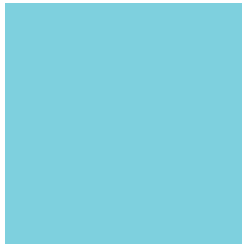
11.4375, 0.3613, 0.1764



0.8023, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 54.8213, 0.2512, 0.3106 looks on a white background.

Color Contrast Check

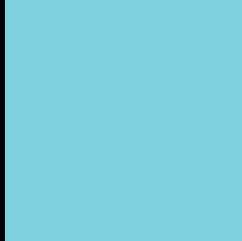
Large Text (above 18pt) WCAG AA × Fail

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 54.8213, 0.2512, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

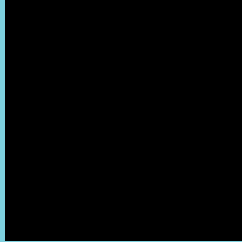
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8213, 0.2512, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 54.8213, 0.2512, 0.3106.

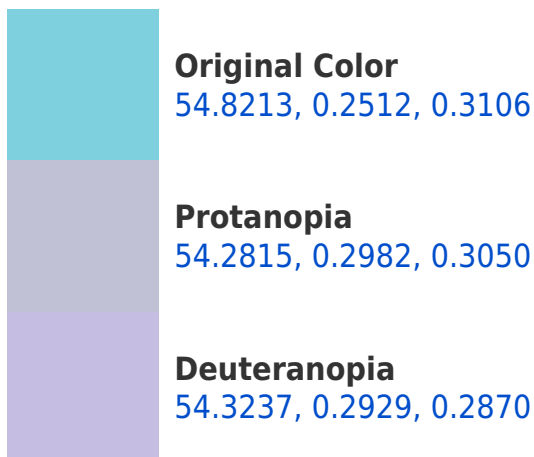


This preview shows how white text looks on a background with the Yxy color 54.8213, 0.2512, 0.3106.

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

55.0056, 0.2507, 0.3081

Trichromacy



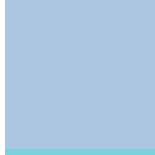
Original Color

54.8213, 0.2512, 0.3106



Protanomaly

53.7811, 0.2789, 0.3064



Deuteranomaly

54.1394, 0.2752, 0.2947



Tritanomaly

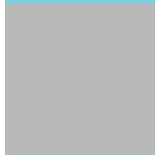
54.9515, 0.2512, 0.3093

Monochromacy



Original Color

54.8213, 0.2512, 0.3106



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.1097, 0.2868, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8213, 0.2512, 0.3106 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(126, 208, 222)` looks like.

```
.text, #text, p{  
    color:rgb(126, 208, 222)  
}
```

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(126, 208, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 208, 222) }
```

Border

The CSS property to change the border of an element to Yxy 54.8213, 0.2512, 0.3106 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(126, 208, 222) }
```

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

```
.border{ border-color:rgb(126, 208, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 208, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 208, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 208, 222);  
box-shadow:4px 4px 4px 4px rgb(126, 208,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8213, 0.2512, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 208, 222) }
```

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

```
.background{ background-color: rgb(126,  
208, 222) }
```

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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