

Converting Colors

$Y_{xy}(52.7519, 0.2348, 0.3082)$

Have a look what the booklet for
Yxy(52.7519, 0.2348, 0.3082)
contains.

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Color

Yxy(52.6131, 0.2351, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	5AD0DF
RGB	90, 208, 223
RGB Percent	35%, 82%, 87%
CMY	0.6467, 0.1843, 0.1256
CMYK	0.60, 0.07, 0.00, 0.13
HSL	187°, 67%, 61%
HSV	187°, 60%, 87%
XYZ	40.0951, 52.6131, 77.8367
YIQ	174.4280, -75.1430, -20.3510

Conversions

Conversions Part 2

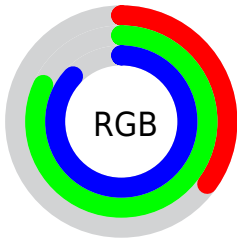
Format	Color
RYB	90, 153, 223
Decimal	5951711
CIELab	77.65, -28.66, -17.37
CIELCh	78, 33.509, 211.223
Yxy	52.6131, 0.2351, 0.3085
Android (android.graphics.Color)	4284141791 (0xFF5AD0DF)
YUV	174.4280, 23.9460, -74.0434
Hunter-Lab	72.5349, -28.2666, -12.8493

Details

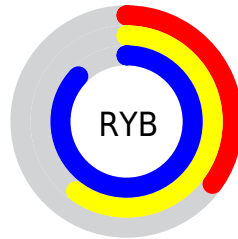
The Yxy color **52.6131, 0.2351, 0.3085** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.5418, 0.4866, 0.3459**, and the grayscale version is **42.4746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **25.6096, 0.2169, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **50.4424, 0.2272, 0.3046**, and if you desaturate by 10%, it is **55.1426, 0.2448, 0.3124**.

Distribution



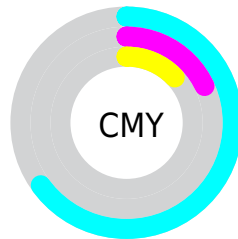
- Red (35%)
- Green (82%)
- Blue (87%)



- Red (35%)
- Yellow (60%)
- Blue (87%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)





- Cyan (65%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6131, 0.2351, 0.3085 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 52.6131, 0.2351, 0.3085 by changing the saturation by 10% instead.


 52.6131, 0.2351,
0.3085


 52.6131, 0.2351,
0.3085


396.7990, 0.2720,
0.3196

 37.4940, 0.2265,
0.3055


 94.0348, 0.2480,
0.3127


 25.5902, 0.2159,
0.3016


 121.1062, 0.2530,
0.3142

 16.5173, 0.2023,
0.2963


 152.9305, 0.2573,
0.3155

 9.8910, 0.1845,
0.2887

 189.8920, 0.2610,
0.3166

 5.3267, 0.1604,
0.2771

232.3753, 0.2643,
0.3175

 2.4402, 0.1266,
0.2577

280.7646, 0.2671,

 0.8465, 0.0290,

0.3183

0.2334

335.4443, 0.2697,
0.3190

0.0000, 0.0000,
0.0000

52.6131, 0.2351,
0.3085

52.6131, 0.2351,
0.3085

50.4424, 0.2272,
0.3046

55.1426, 0.2448,
0.3124

48.5934, 0.2213,
0.3006

58.0521, 0.2563,
0.3161

47.0313, 0.2172,
0.2967

61.3683, 0.2691,
0.3197

45.6944, 0.2147,
0.2928

65.1133, 0.2831,
0.3231

45.6421, 0.2146,
0.2927

69.3080, 0.2980,
0.3262

■ 73.9715, 0.3133,
0.3291

■ 79.1221, 0.3290,
0.3317

■ 82.1313, 0.3350,
0.3342

■ 83.5252, 0.3347,
0.3367

Harmonies

Analogous

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



52.6131, 0.2584, 0.3526



52.6131, 0.2351, 0.3085



52.6131, 0.2311, 0.2748

Triad

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



52.6131, 0.2351, 0.3085



52.6131, 0.3239, 0.2761



52.6131, 0.3801, 0.4020

Complementary

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



52.6131, 0.2351, 0.3085



26.5418, 0.4866, 0.3459

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.



52.6131, 0.4011, 0.3752



52.6131, 0.2351, 0.3085



52.6131, 0.3679, 0.3047

Square

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



52.6131, 0.2351, 0.3085



52.6131, 0.2797, 0.2593



52.6131, 0.3969, 0.3400



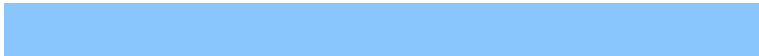
52.6131, 0.3415, 0.4100

Rectangle

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



52.6131, 0.2351, 0.3085



52.6131, 0.2395, 0.2617



52.6131, 0.3969, 0.3400



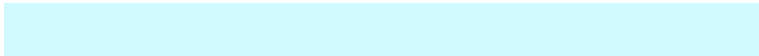
52.6131, 0.3895, 0.3946

Sweetspot

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



52.6151, 0.2351, 0.3085



89.0529, 0.2852, 0.3236



55.9281, 0.2980, 0.5039



18.7236, 0.2810, 0.3226



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.



52.6151, 0.2351, 0.3085



67.5933, 0.2253, 0.3034



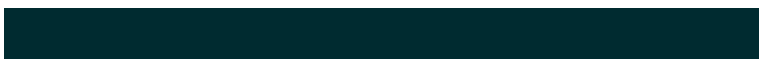
27.2236, 0.2137, 0.2123



15.2946, 0.2982, 0.3263



26.9484, 0.2148, 0.2932



1.9440, 0.2165, 0.2992

Inverse Universe

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



27.5661, 0.3353, 0.2032



31.7755, 0.3410, 0.1855



45.1071, 0.4330, 0.4190



13.9076, 0.3155, 0.3085



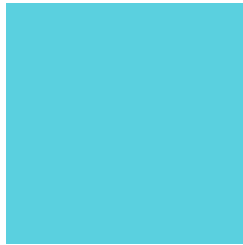
11.6285, 0.3514, 0.1710



0.8137, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 52.6131, 0.2351, 0.3085 looks on a white background.

Color Contrast Check

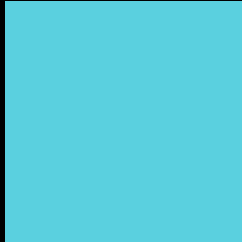
Large Text (above 18pt) WCAG AA × Fail

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 52.6131, 0.2351, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

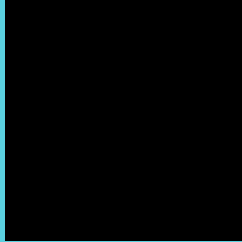
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6131, 0.2351, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 52.6131, 0.2351, 0.3085.

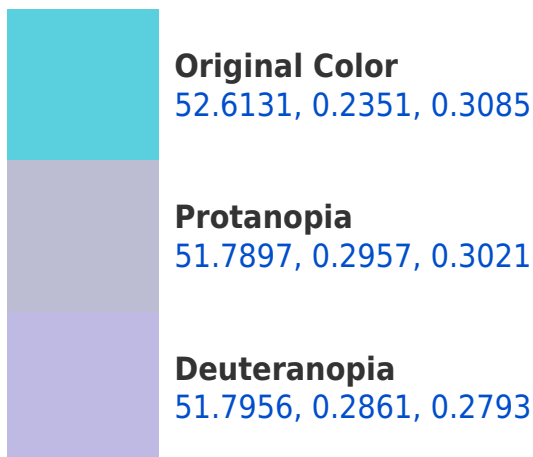


This preview shows how white text looks on a background with the Yxy color 52.6131, 0.2351, 0.3085.

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

52.7721, 0.2345, 0.3059

Trichromacy



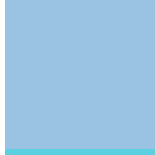
Original Color

52.6131, 0.2351, 0.3085



Protanomaly

51.0616, 0.2679, 0.3043



Deuteranomaly

50.9446, 0.2624, 0.2884



Tritanomaly

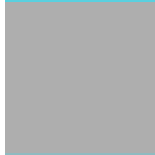
52.7177, 0.2350, 0.3072

Monochromacy



Original Color

52.6131, 0.2351, 0.3085



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.7632, 0.2750, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6131, 0.2351, 0.3085 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(90, 208, 223)` looks like.

```
.text, #text, p{  
    color:rgb(90, 208, 223)  
}
```

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(90, 208, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 208, 223) }
```

Border

The CSS property to change the border of an element to Yxy 52.6131, 0.2351, 0.3085 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(90, 208, 223) }
```

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

```
.border{ border-color:rgb(90, 208, 223) }
```

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

Here you see how a box with a 4 pixel rgb(90, 208, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 208, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 208, 223);  
box-shadow:4px 4px 4px 4px rgb(90, 208,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6131, 0.2351, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 208, 223) }
```

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

```
.background{ background-color: rgb(90, 208,  
223) }
```

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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