

Converting Colors

$Yxy(51.0402, 0.2218, 0.3051)$

Have a look what the booklet for
Yxy(51.0402, 0.2218, 0.3051)
contains.

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Color

Yxy(51.0402, 0.2218, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	2AD0E1
RGB	42, 208, 225
RGB Percent	16%, 82%, 88%
CMY	0.8350, 0.1843, 0.1176
CMYK	0.81, 0.08, 0.00, 0.12
HSL	186°, 75%, 52%
HSV	186°, 81%, 88%
XYZ	37.1049, 51.0402, 79.1449
YIQ	160.3040, -104.3930, -29.9050

Conversions

Conversions Part 2

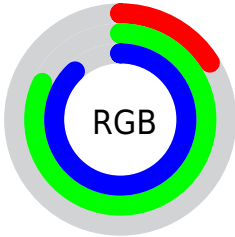
Format	Color
R_{YB}	42, 129, 225
Decimal	2805985
CIE _{Lab}	76.70, -34.16, -19.99
CIE _{LCh}	77, 39.577, 210.341
Yxy	51.0402, 0.2218, 0.3051
Android (android.graphics.Color)	4280996065 (0xFF2AD0E1)
YUV	160.3040, 31.8951, -103.7526
Hunter-Lab	71.4424, -32.3170, -15.6726

Details

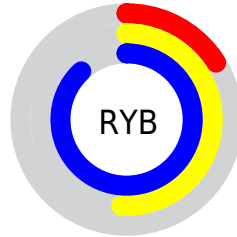
The Yxy color **51.0402, 0.2218, 0.3051** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.3155, 0.5844, 0.3416**, and the grayscale version is **35.1972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **25.6847, 0.2160, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **49.6784, 0.2183, 0.3019**, and if you desaturate by 10%, it is **52.6852, 0.2272, 0.3083**.

Distribution



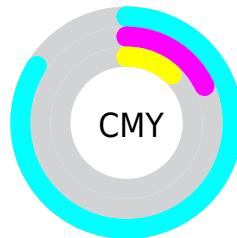
- Red (16%)
- Green (82%)
- Blue (88%)



- Red (16%)
- Yellow (51%)
- Blue (88%)



- Cyan (81%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (84%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0402, 0.2218, 0.3051 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 51.0402, 0.2218, 0.3051 by changing the saturation by 10% instead.


 51.0402, 0.2218,
0.3051

 51.0402, 0.2218,
0.3051


390.7200, 0.2649,
0.3183

 36.2406, 0.2118,
0.3015


 91.7142, 0.2369,
0.3101


 24.6201, 0.1995,
0.2968


 118.3574, 0.2427,
0.3120

 15.7942, 0.1839,
0.2903


 149.7172, 0.2477,
0.3135

 9.3787, 0.1637,
0.2809

 186.1781, 0.2520,
0.3147

 4.9890, 0.1369,
0.2665

 228.1244, 0.2558,
0.3158

 2.2408, 0.1004,
0.2427

275.9406, 0.2592,

 0.7421, 0.0000,

0.3168

0.2086

330.0109, 0.2622,
0.3176

■ 0.0000, 0.0000,
0.0000

■ 51.0402, 0.2218,
0.3051

■ 51.0402, 0.2218,
0.3051

■ 49.6784, 0.2183,
0.3019

■ 52.6852, 0.2272,
0.3083

■ 48.6635, 0.2164,
0.2992

■ 54.6469, 0.2344,
0.3116

■ 56.9597, 0.2436,
0.3147

■ 59.6520, 0.2546,
0.3179

■ 62.7493, 0.2670,
0.3208

66.2748, 0.2807,
0.3237

70.2497, 0.2954,
0.3263

74.6941, 0.3107,
0.3287

79.6267, 0.3263,
0.3309

Harmonies

Analogous

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



51.0402, 0.2493, 0.3586



51.0402, 0.2218, 0.3051



51.0402, 0.2168, 0.2652

Triad

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



51.0402, 0.2218, 0.3051



51.0402, 0.3240, 0.2661



51.0402, 0.3933, 0.4145

Complementary

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



51.0402, 0.2218, 0.3051



19.3155, 0.5844, 0.3416

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.



51.0402, 0.4182, 0.3812



51.0402, 0.2218, 0.3051



51.0402, 0.3771, 0.2989

Square

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



51.0402, 0.2218, 0.3051



51.0402, 0.2719, 0.2471



51.0402, 0.4128, 0.3396



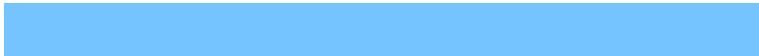
51.0402, 0.3476, 0.4266

Rectangle

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



51.0402, 0.2218, 0.3051



51.0402, 0.2259, 0.2500



51.0402, 0.4128, 0.3396



51.0402, 0.4045, 0.4050

Sweetspot

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



51.0421, 0.2218, 0.3051



86.6034, 0.2767, 0.3229



54.6543, 0.2975, 0.5679



18.1757, 0.2718, 0.3219



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.



51.0421, 0.2218, 0.3051



64.8245, 0.2168, 0.2996



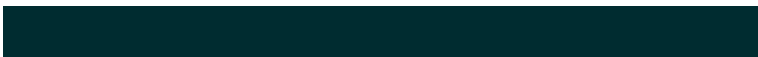
18.9577, 0.1851, 0.1666



15.3428, 0.2982, 0.3268



28.1284, 0.2166, 0.2997



2.0142, 0.2179, 0.3046

Inverse Universe

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



22.2255, 0.3402, 0.1748



27.1826, 0.3457, 0.1683



37.6069, 0.4848, 0.4321



13.9125, 0.3152, 0.3080



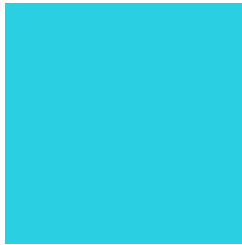
11.7476, 0.3457, 0.1678



0.8208, 0.3414, 0.1655

Previews

White Background



This preview shows how the Yxy color 51.0402, 0.2218, 0.3051 looks on a white background.

Color Contrast Check

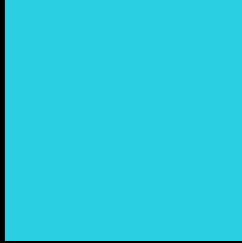
Large Text (above 18pt) WCAG AA × Fail

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 51.0402, 0.2218, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

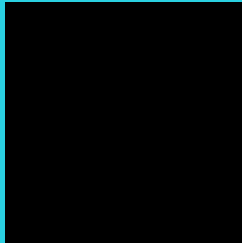
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0402, 0.2218, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 51.0402, 0.2218, 0.3051.

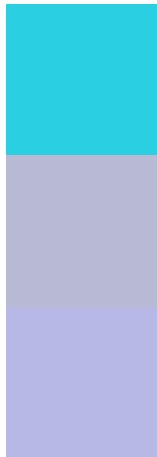


This preview shows how white text looks on a background with the Yxy color 51.0402, 0.2218, 0.3051.

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

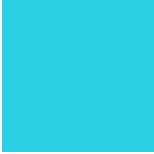
51.0402, 0.2218, 0.3051

Protanopia

50.0113, 0.2925, 0.2981

Deuteranopia

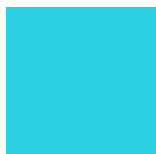
50.1845, 0.2794, 0.2739



Tritanopia

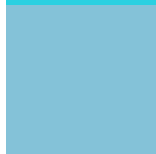
51.0402, 0.2218, 0.3051

Trichromacy



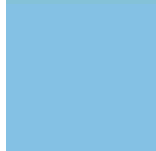
Original Color

51.0402, 0.2218, 0.3051



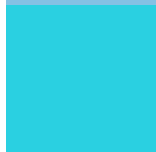
Protanomaly

48.4470, 0.2547, 0.2994



Deuteranomaly

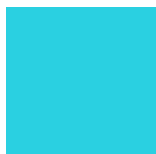
48.6469, 0.2479, 0.2832



Tritanomaly

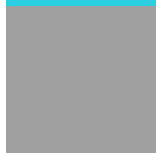
51.0402, 0.2218, 0.3051

Monochromacy



Original Color

51.0402, 0.2218, 0.3051



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.6869, 0.2609, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0402, 0.2218, 0.3051 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(42, 208, 225)` looks like.

```
.text, #text, p{  
    color:rgb(42, 208, 225)  
}
```

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(42, 208, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 208, 225) }
```

Border

The CSS property to change the border of an element to Yxy 51.0402, 0.2218, 0.3051 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(42, 208, 225) }
```

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

```
.border{ border-color:rgb(42, 208, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 208, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 208, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 208, 225);  
box-shadow:4px 4px 4px 4px rgb(42, 208,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0402, 0.2218, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 208, 225) }
```

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

```
.background{ background-color: rgb(42, 208,  
225) }
```

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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