

Converting Colors

$Y_{xy}(54.1130, 0.2312, 0.3178)$

Have a look what the booklet for
Yxy(54.1130, 0.2312, 0.3178)
contains.

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Color

Yxy(54.1110, 0.2312, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	46D5DD
RGB	70, 213, 221
RGB Percent	27%, 84%, 87%
CMY	0.7260, 0.1647, 0.1332
CMYK	0.68, 0.04, 0.00, 0.13
HSL	183°, 69%, 57%
HSV	183°, 68%, 87%
XYZ	39.3658, 54.1110, 76.7906
YIQ	171.1550, -87.7960, -27.8280

Conversions

Conversions Part 2

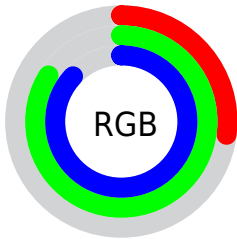
Format	Color
RYB	70, 143, 221
Decimal	4642269
CIELab	78.53, -34.74, -15.05
CIELCh	79, 37.857, 203.421
Yxy	54.1110, 0.2312, 0.3178
Android (android.graphics.Color)	4282832349 (0xFF46D5DD)
YUV	171.1550, 24.5736, -88.7129
Hunter-Lab	73.5602, -33.2058, -10.4016

Details

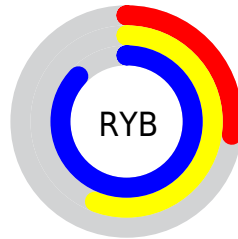
The Yxy color **54.1110, 0.2312, 0.3178** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.2478, 0.5341, 0.3373**, and the grayscale version is **40.6975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **27.2069, 0.2206, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **52.8513, 0.2258, 0.3160**, and if you desaturate by 10%, it is **55.6811, 0.2385, 0.3196**.

Distribution



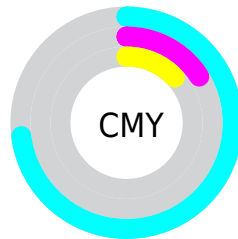
- Red (27%)
- Green (84%)
- Blue (87%)



- Red (27%)
- Yellow (56%)
- Blue (87%)



- Cyan (68%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)





- Cyan (73%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1110, 0.2312, 0.3178 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 54.1110, 0.2312, 0.3178 by changing the saturation by 10% instead.


 54.1110, 0.2312,
0.3178


 54.1110, 0.2312,
0.3178


402.5331, 0.2697,
0.3245

 38.6904, 0.2223,
0.3159

 96.2372, 0.2447,
0.3204

 26.5190, 0.2112,
0.3133


 123.7116, 0.2499,
0.3214

 17.2123, 0.1972,
0.3096


 155.9727, 0.2544,
0.3221

 10.3860, 0.1789,
0.3041

 193.4050, 0.2583,
0.3227

 5.6556, 0.1543,
0.2954

236.3928, 0.2617,
0.3233

 2.6368, 0.1200,
0.2802

285.3205, 0.2647,

 0.9452, 0.0138,

0.3237

0.2655

340.5725, 0.2673,
0.3241

0.0000, 0.0000,
0.0000

54.1110, 0.2312,
0.3178

54.1110, 0.2312,
0.3178

52.8513, 0.2258,
0.3160

55.6811, 0.2385,
0.3196

51.8609, 0.2223,
0.3142

57.5853, 0.2478,
0.3214


51.0899, 0.2203,
0.3125

59.8519, 0.2587,
0.3231

50.9741, 0.2201,
0.3122


62.5046, 0.2713,
0.3248

65.5648, 0.2850,
0.3264

 69.0526, 0.2998,
0.3279

 72.9867, 0.3152,
0.3292

 77.3846, 0.3310,
0.3304

 79.5532, 0.3369,
0.3316

Harmonies

Analogous

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



54.1110, 0.2618, 0.3683



54.1110, 0.2312, 0.3178



54.1110, 0.2213, 0.2762

Triad

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



54.1110, 0.2312, 0.3178



54.1110, 0.3115, 0.2641



54.1110, 0.3961, 0.4038

Complementary

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



54.1110, 0.2312, 0.3178



21.2478, 0.5341, 0.3373

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.



54.1110, 0.4133, 0.3699



54.1110, 0.2312, 0.3178



54.1110, 0.3625, 0.2927

Square

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



54.1110, 0.2312, 0.3178



54.1110, 0.2647, 0.2498



54.1110, 0.4011, 0.3301



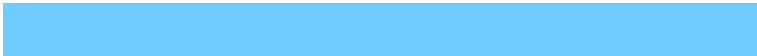
54.1110, 0.3568, 0.4203

Rectangle

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



54.1110, 0.2312, 0.3178



54.1110, 0.2268, 0.2586



54.1110, 0.4011, 0.3301



54.1110, 0.4048, 0.3938

Sweetspot

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



54.1130, 0.2312, 0.3178



89.4226, 0.2811, 0.3259



53.5636, 0.2998, 0.5401



18.8852, 0.2772, 0.3255



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.



54.1130, 0.2312, 0.3178



72.4507, 0.2241, 0.3152



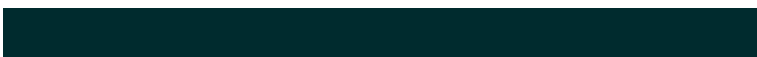
24.6636, 0.2033, 0.2035



14.7051, 0.2982, 0.3277



29.6589, 0.2201, 0.3125



1.9584, 0.2209, 0.3153

Inverse Universe

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



24.5442, 0.3287, 0.1832



29.7329, 0.3317, 0.1685



38.5996, 0.4604, 0.4200



13.2623, 0.3146, 0.3072



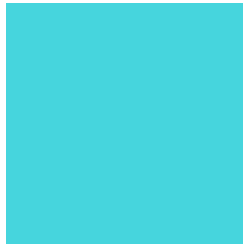
11.6178, 0.3346, 0.1617



0.7564, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 54.1110, 0.2312, 0.3178 looks on a white background.

Color Contrast Check

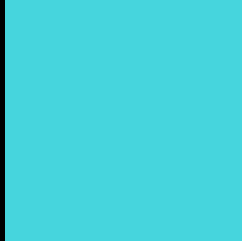
Large Text (above 18pt) WCAG AA × Fail

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 54.1110, 0.2312, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

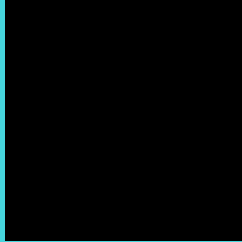
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.1110, 0.2312, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 54.1110, 0.2312, 0.3178.

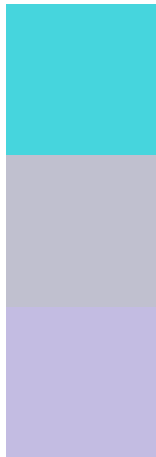


This preview shows how white text looks on a background with the Yxy color 54.1110, 0.2312, 0.3178.

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

54.1110, 0.2312, 0.3178

Protanopia

53.4107, 0.3017, 0.3108

Deuteranopia

53.0595, 0.2905, 0.2843



Tritanopia

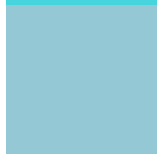
54.2000, 0.2287, 0.3059

Trichromacy



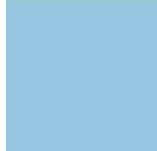
Original Color

54.1110, 0.2312, 0.3178



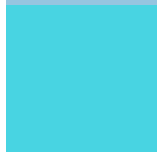
Protanomaly

52.3579, 0.2677, 0.3133



Deuteranomaly

51.7039, 0.2609, 0.2944



Tritanomaly

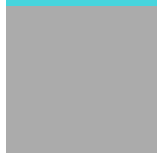
53.9557, 0.2293, 0.3098

Monochromacy



Original Color

54.1110, 0.2312, 0.3178



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.8603, 0.2707, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1110, 0.2312, 0.3178 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(70, 213, 221)` looks like.

```
.text, #text, p{  
  color:rgb(70, 213, 221)  
}
```

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(70, 213, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 213, 221) }
```

Border

The CSS property to change the border of an element to Yxy 54.1110, 0.2312, 0.3178 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(70, 213, 221) }
```

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

```
.border{ border-color:rgb(70, 213, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 213, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 213, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 213, 221);  
box-shadow:4px 4px 4px 4px rgb(70, 213,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1110, 0.2312, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 213, 221) }
```

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

```
.background{ background-color: rgb(70, 213,  
221) }
```

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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