

Converting Colors

$Yxy(54.5615, 0.2357, 0.3208)$

Have a look what the booklet for
Yxy(54.5615, 0.2357, 0.3208)
contains.

Yxy(54.4968, 0.2357, 0.3206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.4968, 0.2357, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	52D5DB
RGB	82, 213, 219
RGB Percent	32%, 84%, 86%
CMY	0.6781, 0.1647, 0.1412
CMYK	0.63, 0.03, 0.00, 0.14
HSL	183°, 66%, 59%
HSV	183°, 63%, 86%
XYZ	40.0652, 54.4968, 75.4218
YIQ	174.5150, -80.0020, -25.9060

Conversions

Conversions Part 2

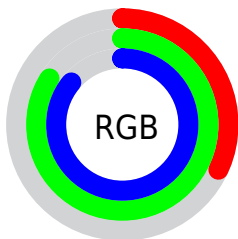
Format	Color
RYB	82, 149, 219
Decimal	5428699
CIELab	78.75, -33.51, -13.60
CIELCh	79, 36.163, 202.086
Yxy	54.4968, 0.2357, 0.3206
Android (android.graphics.Color)	4283618779 (0xFF52D5DB)
YUV	174.5150, 21.9311, -81.1357
Hunter-Lab	73.8219, -32.3116, -8.8996

Details

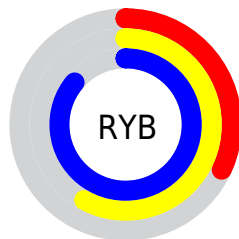
The Yxy color **54.4968, 0.2357, 0.3206** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.6651, 0.5074, 0.3359**, and the grayscale version is **42.5353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **27.1341, 0.2216, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **53.1861, 0.2293, 0.3191**, and if you desaturate by 10%, it is **56.1278, 0.2440, 0.3221**.

Distribution



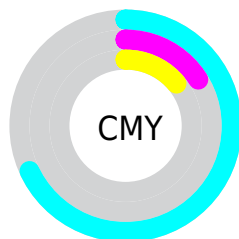
- Red (32%)
- Green (84%)
- Blue (86%)



- Red (32%)
- Yellow (58%)
- Blue (86%)



- Cyan (63%)
- Magenta (3%)
- Yellow (0%)
- Black (14%)





- Cyan (68%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4968, 0.2357, 0.3206 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 54.4968, 0.2357, 0.3206 by changing the saturation by 10% instead.


 54.4968, 0.2357,
0.3206


 54.4968, 0.2357,
0.3206

404.0016, 0.2722,
0.3258


 38.9990, 0.2272,
0.3191


 96.8033, 0.2485,
0.3227


 26.7589, 0.2167,
0.3170

 124.3808, 0.2534,
0.3234

 17.3923, 0.2033,
0.3140


 156.7536, 0.2576,
0.3240

 10.5146, 0.1858,
0.3095

 194.3061, 0.2613,
0.3245

 5.7414, 0.1621,
0.3023

237.4228, 0.2645,
0.3249

 2.6885, 0.1287,
0.2894

286.4880, 0.2674,

 0.9714, 0.0294,

0.3252

0.2776

341.8862, 0.2699,
0.3255

0.0000, 0.0000,
0.0000

54.4968, 0.2357,
0.3206

54.4968, 0.2357,
0.3206

53.1861, 0.2293,
0.3191

56.1278, 0.2440,
0.3221

52.1584, 0.2248,
0.3176

58.0998, 0.2542,
0.3235

51.3786, 0.2221,
0.3162

60.4390, 0.2661,
0.3249

50.9107, 0.2209,
0.3151

63.1671, 0.2793,
0.3263

66.3044, 0.2936,
0.3276

69.8696, 0.3088,
0.3287

73.8802, 0.3245,
0.3298

77.9158, 0.3388,
0.3308

78.4232, 0.3386,
0.3317

Harmonies

Analogous

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



54.4968, 0.2659, 0.3685



54.4968, 0.2357, 0.3206



54.4968, 0.2252, 0.2802

Triad

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



54.4968, 0.2357, 0.3206



54.4968, 0.3095, 0.2659



54.4968, 0.3937, 0.3994

Complementary

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



54.4968, 0.2357, 0.3206



22.6651, 0.5074, 0.3359

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.



54.4968, 0.4087, 0.3668



54.4968, 0.2357, 0.3206



54.4968, 0.3582, 0.2929

Square

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



54.4968, 0.2357, 0.3206



54.4968, 0.2652, 0.2529



54.4968, 0.3957, 0.3286



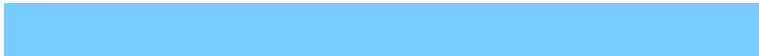
54.4968, 0.3570, 0.4157

Rectangle

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



54.4968, 0.2357, 0.3206



54.4968, 0.2298, 0.2627



54.4968, 0.3957, 0.3286



54.4968, 0.4015, 0.3897

Sweetspot

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



54.4989, 0.2357, 0.3206



90.5932, 0.2840, 0.3267



53.1419, 0.3015, 0.5248



19.1285, 0.2799, 0.3263



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.



54.4989, 0.2357, 0.3206



74.5893, 0.2277, 0.3187



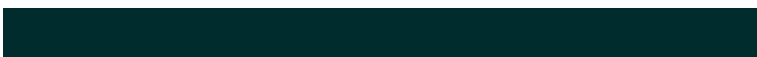
27.4645, 0.2125, 0.2198



14.7266, 0.2982, 0.3279



30.2323, 0.2209, 0.3153



1.9895, 0.2216, 0.3177

Inverse Universe

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



25.9122, 0.3259, 0.1908



31.5905, 0.3285, 0.1736



39.1490, 0.4474, 0.4123



13.2645, 0.3145, 0.3070



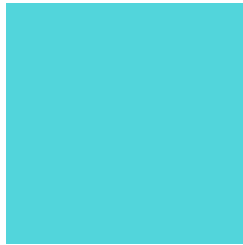
11.6757, 0.3321, 0.1603



0.7595, 0.3302, 0.1592

Previews

White Background



This preview shows how the Yxy color 54.4968, 0.2357, 0.3206 looks on a white background.

Color Contrast Check

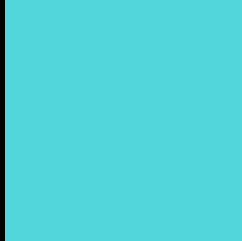
Large Text (above 18pt) WCAG AA × Fail

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 54.4968, 0.2357, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

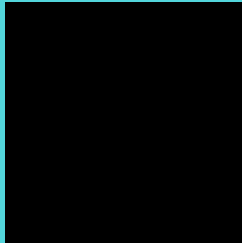
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.4968, 0.2357, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 54.4968, 0.2357, 0.3206.

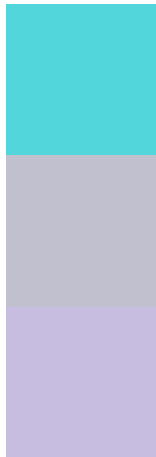


This preview shows how white text looks on a background with the Yxy color 54.4968, 0.2357, 0.3206.

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

54.4968, 0.2357, 0.3206

Protanopia

53.4930, 0.3032, 0.3120

Deuteranopia

53.7828, 0.2942, 0.2880



Tritanopia

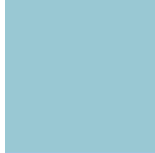
54.2719, 0.2323, 0.3048

Trichromacy



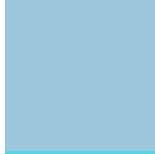
Original Color

54.4968, 0.2357, 0.3206



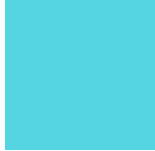
Protanomaly

52.7840, 0.2715, 0.3147



Deuteranomaly

52.7300, 0.2666, 0.2985



Tritanomaly

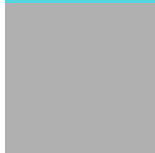
54.4545, 0.2337, 0.3113

Monochromacy



Original Color

54.4968, 0.2357, 0.3206



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.8195, 0.2746, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4968, 0.2357, 0.3206 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(82, 213, 219)` looks like.

```
.text, #text, p{  
    color:rgb(82, 213, 219)  
}
```

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(82, 213, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 213, 219) }
```

Border

The CSS property to change the border of an element to Yxy 54.4968, 0.2357, 0.3206 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(82, 213, 219) }
```

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

```
.border{ border-color:rgb(82, 213, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 213, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(82, 213, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(82, 213, 219); box-shadow:4px 4px 4px 4px rgb(82, 213, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4968, 0.2357, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 213, 219) }
```

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

```
.background{ background-color: rgb(82, 213,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor