

Converting Colors

$Yxy(53.2140, 0.2392, 0.3211)$

Have a look what the booklet for
Yxy(53.2140, 0.2392, 0.3211)
contains.

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Color

Yxy(53.2247, 0.2389, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	5AD2D8
RGB	90, 210, 216
RGB Percent	35%, 82%, 85%
CMY	0.6467, 0.1765, 0.1530
CMYK	0.58, 0.03, 0.00, 0.15
HSL	183°, 62%, 60%
HSV	183°, 58%, 85%
XYZ	39.6612, 53.2247, 73.1300
YIQ	174.8040, -73.4460, -23.5740

Conversions

Conversions Part 2

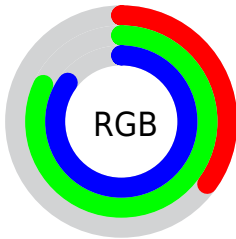
Format	Color
RYB	90, 151, 216
Decimal	5952216
CIELab	78.01, -31.57, -13.07
CIELCh	78, 34.169, 202.485
Yxy	53.2247, 0.2389, 0.3206
Android (android.graphics.Color)	4284142296 (0xFF5AD2D8)
YUV	174.8040, 20.3096, -74.3731
Hunter-Lab	72.9553, -30.6324, -8.3633

Details

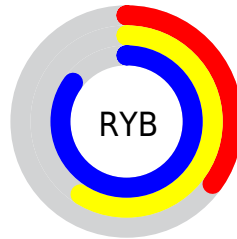
The Yxy color **53.2247, 0.2389, 0.3206** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.7134, 0.4871, 0.3362**, and the grayscale version is **42.6971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **26.0159, 0.2215, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **51.7905, 0.2316, 0.3190**, and if you desaturate by 10%, it is **54.9808, 0.2481, 0.3222**.

Distribution



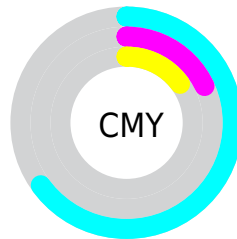
- Red (35%)
- Green (82%)
- Blue (85%)



- Red (35%)
- Yellow (59%)
- Blue (85%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)




- Cyan (65%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2247, 0.2389, 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 53.2247, 0.2389, 0.3206 by changing the saturation by 10% instead.


 53.2247, 0.2389,
0.3206


 53.2247, 0.2389,
0.3206

399.1466, 0.2740,
0.3257


 37.9822, 0.2307,
0.3191

 94.9349, 0.2513,
0.3226

 25.9689, 0.2204,
0.3171


 122.1714, 0.2560,
0.3233

 16.8003, 0.2074,
0.3141


 154.1747, 0.2601,
0.3239

 10.0922, 0.1901,
0.3098

 191.3292, 0.2636,
0.3244

 5.4602, 0.1666,
0.3026

234.0192, 0.2667,
0.3248

 2.5197, 0.1331,
0.2898

282.6292, 0.2695,

 0.8865, 0.0228,

0.3251

0.2808

337.5435, 0.2719,
0.3254

0.0000, 0.0000,
0.0000

53.2247, 0.2389,
0.3206

53.2247, 0.2389,
0.3206

51.7905, 0.2316,
0.3190

54.9808, 0.2481,
0.3222

50.6441, 0.2262,
0.3174

57.0776, 0.2590,
0.3238

49.7544, 0.2227,
0.3158

59.5393, 0.2715,
0.3252

49.0728, 0.2208,
0.3142

62.3863, 0.2852,
0.3267

48.9643, 0.2206,
0.3140

65.6375, 0.3000,
0.3280

■ 69.3105, 0.3154,
0.3292

■ 73.4219, 0.3312,
0.3303

■ 76.4633, 0.3413,
0.3313

■ 76.9975, 0.3411,
0.3324

Harmonies

Analogous

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



53.2247, 0.2677, 0.3659



53.2247, 0.2389, 0.3206



53.2247, 0.2290, 0.2823

Triad

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



53.2247, 0.2389, 0.3206



53.2247, 0.3104, 0.2689



53.2247, 0.3896, 0.3966

Complementary

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



53.2247, 0.2389, 0.3206



23.7134, 0.4871, 0.3362

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.



53.2247, 0.4041, 0.3658



53.2247, 0.2389, 0.3206



53.2247, 0.3567, 0.2949

Square

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



53.2247, 0.2389, 0.3206



53.2247, 0.2679, 0.2562



53.2247, 0.3920, 0.3293



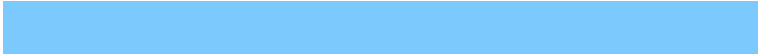
53.2247, 0.3545, 0.4115

Rectangle

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



53.2247, 0.2389, 0.3206



53.2247, 0.2336, 0.2655



53.2247, 0.3920, 0.3293



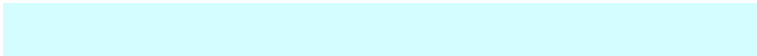
53.2247, 0.3972, 0.3876

Sweetspot

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



53.2267, 0.2389, 0.3206



91.3789, 0.2869, 0.3268



52.0900, 0.3021, 0.5108



19.3660, 0.2840, 0.3265



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.



53.2267, 0.2389, 0.3206



75.0085, 0.2302, 0.3186



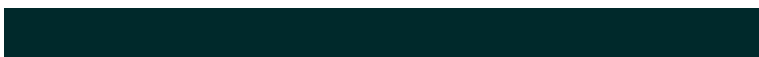
28.5786, 0.2188, 0.2287



14.0021, 0.2983, 0.3278



29.0361, 0.2206, 0.3142



1.7831, 0.2214, 0.3169

Inverse Universe

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



26.5762, 0.3255, 0.1984



33.1842, 0.3282, 0.1798



39.5266, 0.4362, 0.4080



12.6220, 0.3145, 0.3071



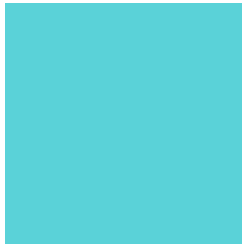
11.2761, 0.3331, 0.1609



0.6833, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 53.2247, 0.2389, 0.3206 looks on a white background.

Color Contrast Check

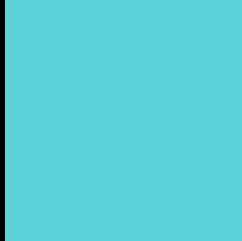
Large Text (above 18pt) WCAG AA × Fail

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 53.2247, 0.2389, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

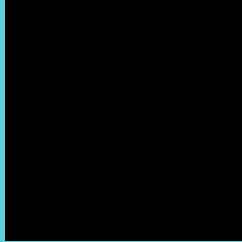
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

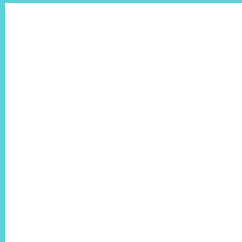
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2247, 0.2389, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 53.2247, 0.2389, 0.3206.

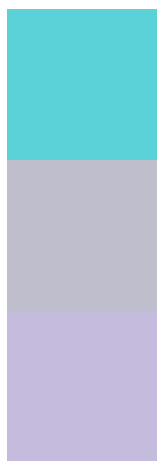


This preview shows how white text looks on a background with the Yxy color 53.2247, 0.2389, 0.3206.

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

53.2247, 0.2389, 0.3206

Protanopia

52.2629, 0.3031, 0.3118

Deuteranopia

52.4969, 0.2948, 0.2888



Tritanopia

53.4169, 0.2359, 0.3073

Trichromacy



Original Color

53.2247, 0.2389, 0.3206



Protanomaly

51.3566, 0.2736, 0.3146



Deuteranomaly

51.3128, 0.2686, 0.2983



Tritanomaly

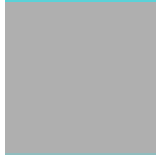
53.2020, 0.2369, 0.3112

Monochromacy



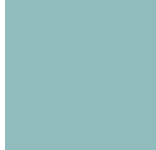
Original Color

53.2247, 0.2389, 0.3206



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.6134, 0.2773, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2247, 0.2389, 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(90, 210, 216)` looks like.

```
.text, #text, p{  
  color:rgb(90, 210, 216)  
}
```

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, 210, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 210, 216) }
```

Border

The CSS property to change the border of an element to Yxy 53.2247, 0.2389, 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(90, 210, 216) }
```

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

```
.border{ border-color:rgb(90, 210, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 210, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 210, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 210, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 210,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2247, 0.2389, 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(90, 210, 216) }
```

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

```
.background{ background-color: rgb(90, 210,  
216) }
```

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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