

Converting Colors

$Yxy(53.4116, 0.2384, 0.3201)$

Have a look what the booklet for
Yxy(53.4116, 0.2384, 0.3201)
contains.

Yxy(53.2268, 0.2380, 0.3192)	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(53.2268, 0.2380, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	59D2D9
RGB	89, 210, 217
RGB Percent	35%, 82%, 85%
CMY	0.6513, 0.1764, 0.1490
CMYK	0.59, 0.03, 0.00, 0.15
HSL	183°, 63%, 60%
HSV	183°, 59%, 85%
XYZ	39.6866, 53.2268, 73.8372
YIQ	174.6190, -74.3630, -23.4750

Conversions

Conversions Part 2

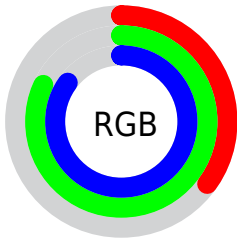
Format	Color
RYB	89, 151, 217
Decimal	5886681
CIELab	78.01, -31.50, -13.63
CIELCh	78, 34.318, 203.397
Yxy	53.2268, 0.2380, 0.3192
Android (android.graphics.Color)	4284076761 (0xFF59D2D9)
YUV	174.6190, 20.8938, -75.0879
Hunter-Lab	72.9567, -30.5746, -8.9359

Details

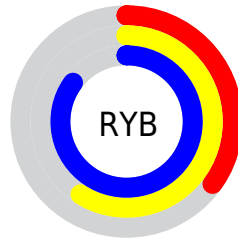
The Yxy color **53.2268, 0.2380, 0.3192** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.8277, 0.4898, 0.3373**, and the grayscale version is **42.5734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **26.0513, 0.2210, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **51.7259, 0.2308, 0.3173**, and if you desaturate by 10%, it is **55.0524, 0.2471, 0.3210**.

Distribution



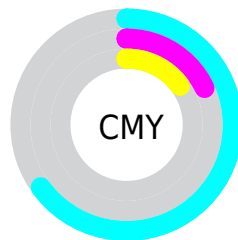
- Red (35%)
- Green (82%)
- Blue (85%)



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



- Cyan (59%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2268, 0.2380, 0.3192 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 53.2268, 0.2380, 0.3192 by changing the saturation by 10% instead.


 53.2268, 0.2380,
0.3192


 53.2268, 0.2380,
0.3192


399.1547, 0.2735,
0.3250


 37.9839, 0.2297,
0.3175


 94.9380, 0.2505,
0.3215

 25.9702, 0.2194,
0.3152


 122.1751, 0.2553,
0.3223

 16.8013, 0.2062,
0.3120


 154.1790, 0.2594,
0.3230

 10.0929, 0.1888,
0.3072

 191.3341, 0.2630,
0.3235

 5.4606, 0.1651,
0.2995

234.0248, 0.2661,
0.3240

 2.5200, 0.1315,
0.2859

282.6356, 0.2689,

 0.8866, 0.0229,

0.3244

0.2747

337.5507, 0.2714,
0.3247

0.0000, 0.0000,
0.0000

53.2268, 0.2380,
0.3192

53.2268, 0.2380,
0.3192

51.7259, 0.2308,
0.3173

55.0524, 0.2471,
0.3210

50.5148, 0.2255,
0.3155

57.2218, 0.2580,
0.3228

49.5617, 0.2220,
0.3137

59.7598, 0.2705,
0.3246

48.8123, 0.2201,
0.3119

62.6871, 0.2842,
0.3262

48.7431, 0.2199,
0.3117

66.0230, 0.2989,
0.3277

■ 69.7853, 0.3142,
0.3291

■ 73.9909, 0.3300,
0.3304

■ 77.1976, 0.3403,
0.3316

■ 77.8210, 0.3401,
0.3328

Harmonies

Analogous

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



53.2268, 0.2664, 0.3648



53.2268, 0.2380, 0.3192



53.2268, 0.2287, 0.2811

Triad

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



53.2268, 0.2380, 0.3192



53.2268, 0.3118, 0.2693



53.2268, 0.3891, 0.3977

Complementary

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



53.2268, 0.2380, 0.3192



23.8277, 0.4898, 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.



53.2268, 0.4044, 0.3670



53.2268, 0.2380, 0.3192



53.2268, 0.3582, 0.2957

Square

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



53.2268, 0.2380, 0.3192



53.2268, 0.2688, 0.2561



53.2268, 0.3931, 0.3304



53.2268, 0.3534, 0.4120

Rectangle

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



53.2268, 0.2380, 0.3192



53.2268, 0.2337, 0.2647



53.2268, 0.3931, 0.3304



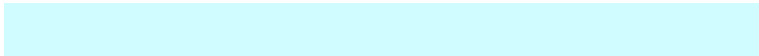
53.2268, 0.3969, 0.3887

Sweetspot

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



53.2288, 0.2380, 0.3192



90.7186, 0.2854, 0.3263



52.5861, 0.3010, 0.5105



19.1364, 0.2812, 0.3259



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.



53.2288, 0.2380, 0.3192



74.0378, 0.2292, 0.3169



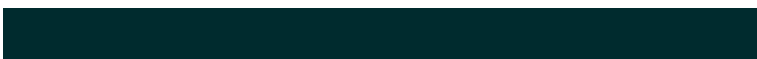
27.8639, 0.2169, 0.2238



14.7011, 0.2982, 0.3277



29.5536, 0.2200, 0.3119



1.9527, 0.2208, 0.3149

Inverse Universe

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



26.5404, 0.3266, 0.1978



32.7494, 0.3297, 0.1794



40.3999, 0.4364, 0.4112



13.2619, 0.3146, 0.3072



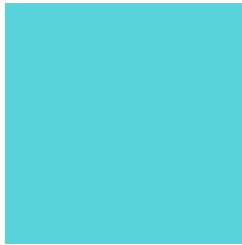
11.6072, 0.3350, 0.1619



0.7558, 0.3325, 0.1605

Previews

White Background



This preview shows how the Yxy color 53.2268, 0.2380, 0.3192 looks on a white background.

Color Contrast Check

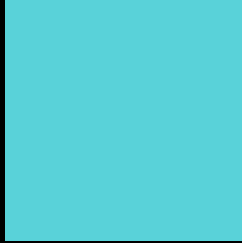
Large Text (above 18pt) WCAG AA × Fail

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 53.2268, 0.2380, 0.3192 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 53.2268, 0.2380, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 53.2268, 0.2380, 0.3192.

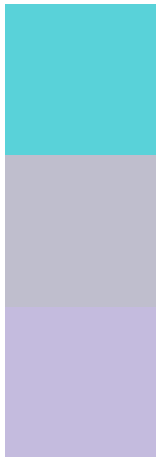


This preview shows how white text looks on a background with the Yxy color 53.2268, 0.2380, 0.3192.

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

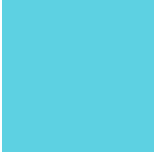
53.2268, 0.2380, 0.3192

Protanopia

52.3111, 0.3024, 0.3106

Deuteranopia

52.5503, 0.2941, 0.2876



Tritanopia

53.4191, 0.2351, 0.3060

Trichromacy



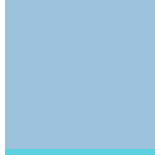
Original Color

53.2268, 0.2380, 0.3192



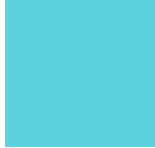
Protanomaly

51.4060, 0.2730, 0.3133



Deuteranomaly

51.3656, 0.2680, 0.2971



Tritanomaly

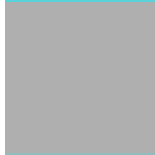
53.2040, 0.2361, 0.3099

Monochromacy



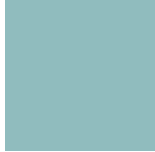
Original Color

53.2268, 0.2380, 0.3192



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 53.2268, 0.2380, 0.3192 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(89, 210, 217)` looks like.

```
.text, #text, p{  
    color:rgb(89, 210, 217)  
}
```

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(89, 210, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 210, 217) }
```

Border

The CSS property to change the border of an element to Yxy 53.2268, 0.2380, 0.3192 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(89, 210, 217) }
```

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

```
.border{ border-color:rgb(89, 210, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 210, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 210, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 210, 217);  
box-shadow:4px 4px 4px 4px rgb(89, 210,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2268, 0.2380, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 210, 217) }
```

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

```
.background{ background-color: rgb(89, 210,  
217) }
```

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