

Converting Colors

$Y_{xy}(53.7848, 0.2595, 0.3358)$

Have a look what the booklet for
Yxy(53.7848, 0.2595, 0.3358)
contains.

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Color

Yxy(53.6345, 0.2597, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	7BD0CB
RGB	123, 208, 203
RGB Percent	48%, 82%, 80%
CMY	0.5177, 0.1843, 0.2038
CMYK	0.41, 0.00, 0.02, 0.18
HSL	176°, 47%, 65%
HSV	176°, 41%, 82%
XYZ	41.5044, 53.6345, 64.6778
YIQ	182.0150, -49.0550, -19.5750

Conversions

Conversions Part 2

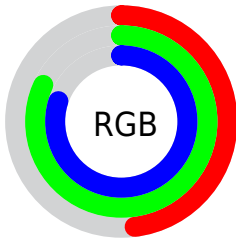
Format	Color
RYB	123, 167, 208
Decimal	8114379
CIELab	78.25, -26.91, -5.63
CIElCh	78, 27.490, 191.811
Yxy	53.6345, 0.2597, 0.3356
Android (android.graphics.Color)	4286304459 (0xFF7BD0CB)
YUV	182.0150, 10.3456, -51.7562
Hunter-Lab	73.2356, -27.0019, -1.0969

Details

The Yxy color **53.6345, 0.2597, 0.3356** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.1319, 0.4101, 0.3229**, and the grayscale version is **46.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **26.1457, 0.2461, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **52.2044, 0.2501, 0.3375**, and if you desaturate by 10%, it is **55.3952, 0.2709, 0.3338**.

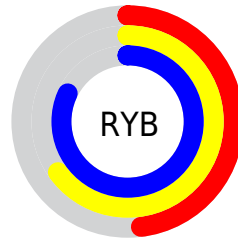
Distribution



Red (48%)

Green (82%)

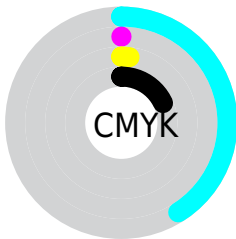
Blue (80%)



Red (48%)

Yellow (65%)

Blue (82%)

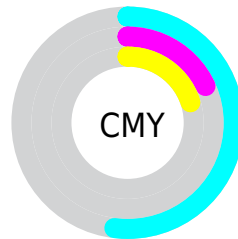


Cyan (41%)

Magenta (0%)

Yellow (2%)

Black (18%)



Cyan (52%)


Magenta (18%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6345, 0.2597, 0.3356 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 53.6345, 0.2597, 0.3356 by changing the saturation by 10% instead.


 53.6345, 0.2597,
0.3356

 53.6345, 0.2597,
0.3356


400.7147, 0.2852,
0.3328


 38.3095, 0.2536,
0.3362

 95.5374, 0.2688,
0.3347

 26.2230, 0.2460,
0.3368


 122.8841, 0.2722,
0.3343

 16.9906, 0.2361,
0.3375


 155.0068, 0.2752,
0.3340

 10.2278, 0.2228,
0.3383

192.2900, 0.2777,
0.3337

 5.5502, 0.2041,
0.3390

235.1179, 0.2800,
0.3334

 2.5736, 0.1761,
0.3389

283.8751, 0.2819,

 0.9134, 0.0819,

0.3332

0.3544

338.9459, 0.2837,
0.3330

0.0000, 0.0000,
0.0000

53.6345, 0.2597,
0.3356

53.6345, 0.2597,
0.3356

52.2044, 0.2501,
0.3375

55.3952, 0.2709,
0.3338

51.0776, 0.2424,
0.3394

57.4991, 0.2834,
0.3321

50.2331, 0.2365,
0.3414


59.9659, 0.2970,
0.3306


49.6444, 0.2326,
0.3433


62.8119, 0.3114,
0.3291


49.2797, 0.2305,
0.3453

66.0524, 0.3264,
0.3278

 49.0906, 0.2297,
0.3470

 69.7020, 0.3415,
0.3267

 71.1044, 0.3462,
0.3255

 71.1660, 0.3453,
0.3242

 71.2281, 0.3443,
0.3230

Harmonies

Analogous

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



53.6345, 0.2880, 0.3698



53.6345, 0.2597, 0.3356



53.6345, 0.2456, 0.3017

Triad

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



53.6345, 0.2597, 0.3356



53.6345, 0.2981, 0.2747



53.6345, 0.3811, 0.3766

Complementary

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



53.6345, 0.2597, 0.3356



29.1319, 0.4101, 0.3229

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.



53.6345, 0.3849, 0.3494



53.6345, 0.2597, 0.3356



53.6345, 0.3354, 0.2927

Square

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



53.6345, 0.2597, 0.3356



53.6345, 0.2666, 0.2692



53.6345, 0.3679, 0.3193



53.6345, 0.3583, 0.3931

Rectangle

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



53.6345, 0.2597, 0.3356



53.6345, 0.2453, 0.2845



53.6345, 0.3679, 0.3193



53.6345, 0.3847, 0.3683

Sweetspot

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



53.6366, 0.2597, 0.3356



94.5363, 0.2952, 0.3307



51.1837, 0.3107, 0.4526



20.1189, 0.2934, 0.3310



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.



53.6366, 0.2597, 0.3356



83.0272, 0.2513, 0.3372



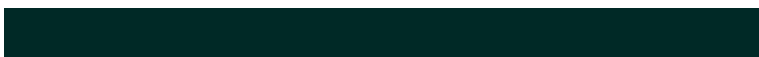
37.9527, 0.2487, 0.2764



13.3946, 0.2991, 0.3303



30.5999, 0.2297, 0.3467



1.7147, 0.2287, 0.3432

Inverse Universe

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



29.1319, 0.4101, 0.3229



39.0554, 0.4432, 0.3219



39.9229, 0.3964, 0.3757



11.8193, 0.3282, 0.3277



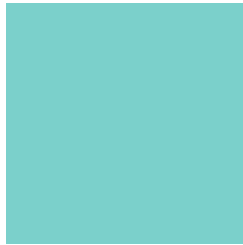
8.3794, 0.6332, 0.3262



0.4726, 0.6116, 0.3143

Previews

White Background



This preview shows how the Yxy color 53.6345, 0.2597, 0.3356 looks on a white background.

Color Contrast Check

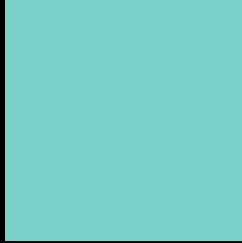
Large Text (above 18pt) WCAG AA × Fail

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 53.6345, 0.2597, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

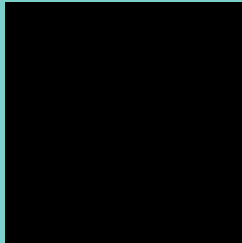
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

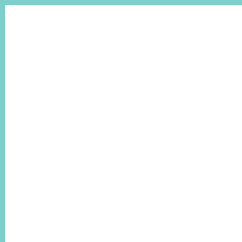
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.6345, 0.2597, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 53.6345, 0.2597, 0.3356.



This preview shows how white text looks on a background with the Yxy color 53.6345, 0.2597, 0.3356.

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

53.6345, 0.2597, 0.3356

Protanopia

53.2853, 0.3152, 0.3278

Deuteranopia

52.8830, 0.3114, 0.3053



Tritanopia

53.5258, 0.2516, 0.3066

Trichromacy



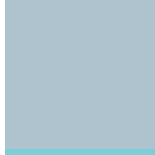
Original Color

53.6345, 0.2597, 0.3356



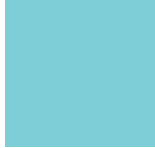
Protanomaly

52.8544, 0.2914, 0.3302



Deuteranomaly

52.6004, 0.2895, 0.3151



Tritanomaly

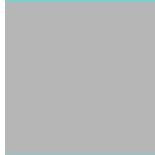
53.4845, 0.2544, 0.3169

Monochromacy



Original Color

53.6345, 0.2597, 0.3356



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

48.5564, 0.2899, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6345, 0.2597, 0.3356 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(123, 208, 203)` looks like.

```
.text, #text, p{  
    color:rgb(123, 208, 203)  
}
```

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(123, 208, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 208, 203) }
```

Border

The CSS property to change the border of an element to Yxy 53.6345, 0.2597, 0.3356 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(123, 208, 203) }
```

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

```
.border{ border-color:rgb(123, 208, 203) }
```

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

Here you see how a box with a 4 pixel rgb(123, 208, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 208, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 208, 203);  
box-shadow:4px 4px 4px 4px rgb(123, 208,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6345, 0.2597, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 208, 203) }
```

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

```
.background{ background-color: rgb(123,  
208, 203) }
```

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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