

Converting Colors

$Yxy(53.8430, 0.2645, 0.3342)$

Have a look what the booklet for
Yxy(53.8430, 0.2645, 0.3342)
contains.

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Color

Yxy(53.8430, 0.2645, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	84CFCB
RGB	132, 207, 203
RGB Percent	52%, 81%, 80%
CMY	0.4822, 0.1883, 0.2039
CMYK	0.36, 0.00, 0.02, 0.19
HSL	177°, 44%, 66%
HSV	177°, 36%, 81%
XYZ	42.6136, 53.8430, 64.6535
YIQ	184.1190, -43.4160, -17.1440

Conversions

Conversions Part 2

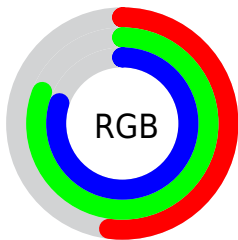
Format	Color
RYB	132, 171, 207
Decimal	8703947
CIELab	78.37, -24.08, -5.40
CIELCh	78, 24.681, 192.627
Yxy	53.8430, 0.2645, 0.3342
Android (android.graphics.Color)	4286894027 (0xFF84CFCB)
YUV	184.1190, 9.3083, -45.7084
Hunter-Lab	73.3778, -24.7485, -0.8762

Details

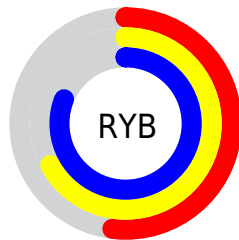
The Yxy color **53.8430, 0.2645, 0.3342** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.5572, 0.3948, 0.3241**, and the grayscale version is **47.9737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **26.2042, 0.2515, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **52.2857, 0.2541, 0.3359**, and if you desaturate by 10%, it is **55.7361, 0.2764, 0.3326**.

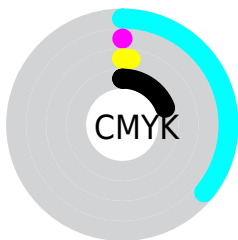
Distribution



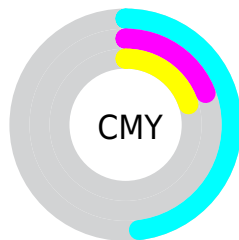
- Red (52%)
- Green (81%)
- Blue (80%)



- Red (52%)
- Yellow (67%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)




- Cyan (48%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8430, 0.2645, 0.3342 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 53.8430, 0.2645, 0.3342 by changing the saturation by 10% instead.


 53.8430, 0.2645,
0.3342


 53.8430, 0.2645,
0.3342


401.5110, 0.2877,
0.3320

 38.4762, 0.2590,
0.3346


 95.8437, 0.2728,
0.3335

 26.3525, 0.2520,
0.3351

 123.2463, 0.2759,
0.3332

 17.0875, 0.2430,
0.3356


 155.4297, 0.2786,
0.3330

 10.2969, 0.2308,
0.3362

192.7781, 0.2809,
0.3327

 5.5963, 0.2137,
0.3366

235.6761, 0.2830,
0.3325

 2.6012, 0.1878,
0.3364

284.5080, 0.2847,

 0.9273, 0.1096,

0.3323

0.3472

339.6582, 0.2863,
0.3322

0.0000, 0.0000,
0.0000

53.8430, 0.2645,
0.3342

53.8430, 0.2645,
0.3342

52.2857, 0.2541,
0.3359

55.7361, 0.2764,
0.3326

51.0381, 0.2455,
0.3376

57.9765, 0.2895,
0.3311

50.0805, 0.2387,
0.3393

60.5833, 0.3036,
0.3298


49.3884, 0.2338,
0.3411


63.5720, 0.3184,
0.3285

48.9331, 0.2308,
0.3429

66.9575, 0.3335,
0.3274


 48.6787, 0.2295,
0.3446

 70.5177, 0.3478,
0.3264

 48.6091, 0.2292,
0.3453

 70.5726, 0.3470,
0.3253

 70.6279, 0.3461,
0.3242

 70.6836, 0.3453,
0.3231

Harmonies

Analogous

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



53.8430, 0.2898, 0.3647



53.8430, 0.2645, 0.3342



53.8430, 0.2520, 0.3041

Triad

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



53.8430, 0.2645, 0.3342



53.8430, 0.3006, 0.2803



53.8430, 0.3737, 0.3726

Complementary

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



53.8430, 0.2645, 0.3342



31.5572, 0.3948, 0.3241

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.



53.8430, 0.3775, 0.3484



53.8430, 0.2645, 0.3342



53.8430, 0.3340, 0.2968

Square

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



53.8430, 0.2645, 0.3342



53.8430, 0.2719, 0.2750



53.8430, 0.3628, 0.3212



53.8430, 0.3530, 0.3866

Rectangle

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



53.8430, 0.2645, 0.3342



53.8430, 0.2521, 0.2887



53.8430, 0.3628, 0.3212



53.8430, 0.3771, 0.3653

Sweetspot

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



53.8451, 0.2645, 0.3342



94.9671, 0.2966, 0.3304



51.6126, 0.3111, 0.4363



20.2053, 0.2946, 0.3306



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.



53.8451, 0.2645, 0.3342



84.4219, 0.2568, 0.3354



39.8857, 0.2559, 0.2834



13.3958, 0.2990, 0.3302



30.6317, 0.2292, 0.3450



1.7161, 0.2283, 0.3418

Inverse Universe

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



31.5572, 0.3948, 0.3241



43.8581, 0.4202, 0.3232



41.6702, 0.3844, 0.3703



11.8183, 0.3282, 0.3278



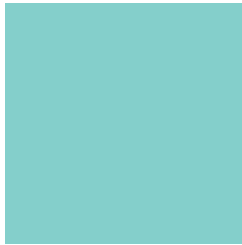
8.3774, 0.6338, 0.3265



0.4721, 0.6141, 0.3157

Previews

White Background



This preview shows how the Yxy color 53.8430, 0.2645, 0.3342 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 53.8430, 0.2645, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

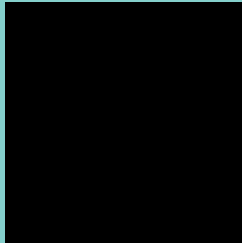
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

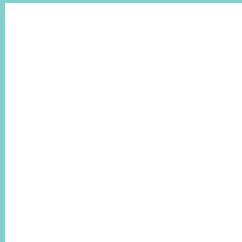
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8430, 0.2645, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 53.8430, 0.2645, 0.3342.

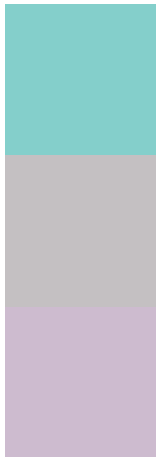


This preview shows how white text looks on a background with the Yxy color 53.8430, 0.2645, 0.3342.

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

53.8430, 0.2645, 0.3342

Protanopia

53.3301, 0.3144, 0.3266

Deuteranopia

53.0248, 0.3122, 0.3054



Tritanopia

53.7246, 0.2568, 0.3068

Trichromacy



Original Color

53.8430, 0.2645, 0.3342

Protanomaly

52.8480, 0.2943, 0.3289

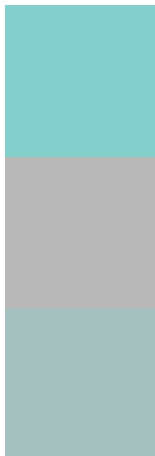
Deuteranomaly

52.5048, 0.2917, 0.3139

Tritanomaly

53.6686, 0.2597, 0.3170

Monochromacy



Original Color

53.8430, 0.2645, 0.3342

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.4602, 0.2923, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8430, 0.2645, 0.3342 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(132, 207, 203)` looks like.

```
.text, #text, p{  
    color:rgb(132, 207, 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(132, 207, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 207, 203) }
```

Border

The CSS property to change the border of an element to Yxy 53.8430, 0.2645, 0.3342 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(132, 207, 203) }
```

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

```
.border{ border-color:rgb(132, 207, 203) }
```

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

Here you see how a box with a 4 pixel rgb(132, 207, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 207, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 207, 203);  
box-shadow:4px 4px 4px 4px rgb(132, 207,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8430, 0.2645, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 207, 203) }
```

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

```
.background{ background-color: rgb(132,  
207, 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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