

Converting Colors

$Y_{xy}(54.2352, 0.2452, 0.3462)$

Have a look what the booklet for
Yxy(54.2352, 0.2452, 0.3462)
contains.

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Color

Yxy(54.2887, 0.2448, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	55D6CA
RGB	85, 214, 202
RGB Percent	33%, 84%, 79%
CMY	0.6667, 0.1608, 0.2078
CMYK	0.60, 0.00, 0.06, 0.16
HSL	174°, 61%, 59%
HSV	174°, 60%, 84%
XYZ	38.4545, 54.2887, 64.3422
YIQ	174.0610, -73.0320, -31.0800

Conversions

Conversions Part 2

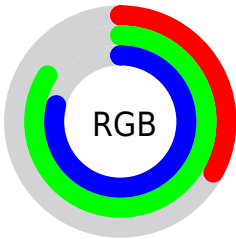
Format	Color
RYB	85, 153, 214
Decimal	5625546
CIELab	78.63, -38.08, -4.68
CIELCh	79, 38.368, 187.002
Yxy	54.2887, 0.2448, 0.3456
Android (android.graphics.Color)	4283815626 (0xFF55D6CA)
YUV	174.0610, 13.7739, -78.1065
Hunter-Lab	73.6809, -35.7813, -0.1987

Details

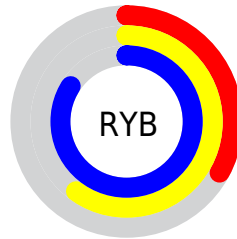
The Yxy color **54.2887, 0.2448, 0.3456** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.6546, 0.4836, 0.3160**, and the grayscale version is **42.3167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **26.9344, 0.2306, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **53.3427, 0.2391, 0.3488**, and if you desaturate by 10%, it is **55.5429, 0.2524, 0.3425**.

Distribution



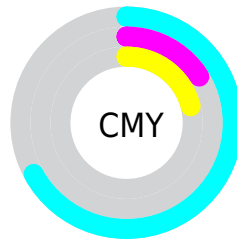
- Red (33%)
- Green (84%)
- Blue (79%)



- Red (33%)
- Yellow (60%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (67%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.2887, 0.2448, 0.3456 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 54.2887, 0.2448, 0.3456 by changing the saturation by 10% instead.


 54.2887, 0.2448,
0.3456


 54.2887, 0.2448,
0.3456


403.2100, 0.2774,
0.3381


 38.8325, 0.2371,
0.3473


 96.4980, 0.2563,
0.3430


 26.6295, 0.2275,
0.3493


 124.0199, 0.2607,
0.3420

 17.2951, 0.2151,
0.3517

 156.3325, 0.2645,
0.3411

 10.4451, 0.1986,
0.3547

 193.8203, 0.2678,
0.3404

 5.6951, 0.1758,
0.3584

236.8675, 0.2706,
0.3397

 2.6606, 0.1424,
0.3626

285.8585, 0.2731,

 0.9572, 0.0000,

0.3391

0.4017

341.1779, 0.2754,
0.3386

■ 0.0000, 0.0000,
0.0000

■ 54.2887, 0.2448,
0.3456

■ 54.2887, 0.2448,
0.3456

■ 53.3427, 0.2391,
0.3488

■ 55.5429, 0.2524,
0.3425

■ 52.6703, 0.2353,
0.3520

■ 57.1237, 0.2618,
0.3395

■ 52.2400, 0.2333,
0.3551

■ 59.0555, 0.2728,
0.3366

■ 51.9955, 0.2328,
0.3582

■ 61.3585, 0.2850,
0.3339

■ 64.0514, 0.2983,
0.3314

■ 67.1517, 0.3123,
0.3291

■ 70.6759, 0.3268,
0.3270

■ 74.4124, 0.3405,
0.3251

■ 74.5170, 0.3391,
0.3231

Harmonies

Analogous

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



54.2887, 0.2852, 0.3937



54.2887, 0.2448, 0.3456



54.2887, 0.2230, 0.2966

Triad

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



54.2887, 0.2448, 0.3456



54.2887, 0.2841, 0.2534



54.2887, 0.4101, 0.3872

Complementary

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



54.2887, 0.2448, 0.3456



21.6546, 0.4836, 0.3160

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.



54.2887, 0.4116, 0.3484



54.2887, 0.2448, 0.3456



54.2887, 0.3353, 0.2750

Square

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



54.2887, 0.2448, 0.3456



54.2887, 0.2443, 0.2483



54.2887, 0.3834, 0.3086



54.2887, 0.3812, 0.4152

Rectangle

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



54.2887, 0.2448, 0.3456



54.2887, 0.2206, 0.2717



54.2887, 0.3834, 0.3086



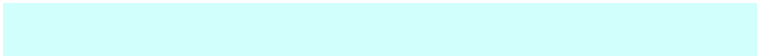
54.2887, 0.4139, 0.3749

Sweetspot

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



54.2908, 0.2448, 0.3456



92.0384, 0.2878, 0.3333



51.3410, 0.3104, 0.5189



19.4643, 0.2840, 0.3341



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.



54.2908, 0.2448, 0.3456



79.0449, 0.2380, 0.3496



32.7671, 0.2220, 0.2519



14.0871, 0.2995, 0.3312



31.4352, 0.2327, 0.3577



1.9020, 0.2312, 0.3523

Inverse Universe

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



21.6546, 0.4836, 0.3160



26.5296, 0.5400, 0.3162



32.7288, 0.4561, 0.3902



12.4393, 0.3277, 0.3269



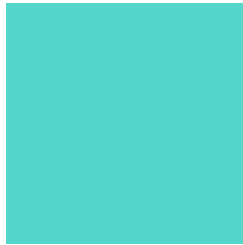
8.6781, 0.6288, 0.3238



0.5300, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 54.2887, 0.2448, 0.3456 looks on a white background.

Color Contrast Check

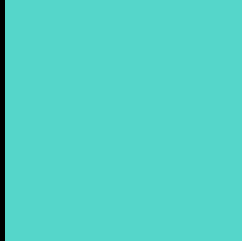
Large Text (above 18pt) WCAG AA × Fail

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 54.2887, 0.2448, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

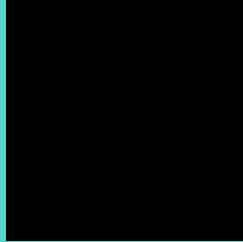
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

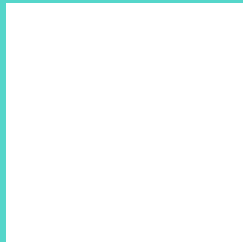
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.2887, 0.2448, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 54.2887, 0.2448, 0.3456.

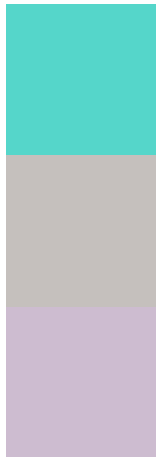


This preview shows how white text looks on a background with the Yxy color 54.2887, 0.2448, 0.3456.

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

54.2887, 0.2448, 0.3456

Protanopia

53.2437, 0.3191, 0.3327

Deuteranopia

53.4996, 0.3114, 0.3054



Tritanopia

54.0721, 0.2357, 0.3062

Trichromacy



Original Color

54.2887, 0.2448, 0.3456



Protanomaly

52.2715, 0.2842, 0.3368



Deuteranomaly

51.9658, 0.2797, 0.3173



Tritanomaly

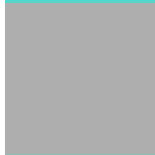
53.8746, 0.2386, 0.3193

Monochromacy



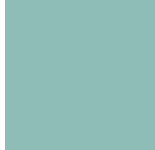
Original Color

54.2887, 0.2448, 0.3456



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.6067, 0.2799, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2887, 0.2448, 0.3456 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(85, 214, 202)` looks like.

```
.text, #text, p{  
    color:rgb(85, 214, 202)  
}
```

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(85, 214, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 214, 202) }
```

Border

The CSS property to change the border of an element to Yxy 54.2887, 0.2448, 0.3456 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(85, 214, 202) }
```

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

```
.border{ border-color:rgb(85, 214, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 214, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 214, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 214, 202);  
box-shadow:4px 4px 4px 4px rgb(85, 214,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2887, 0.2448, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 214, 202) }
```

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

```
.background{ background-color: rgb(85, 214,  
202) }
```

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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