

Converting Colors

$Yxy(52.9731, 0.2452, 0.3462)$

Have a look what the booklet for
Yxy(52.9731, 0.2452, 0.3462)
contains.

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Color

Yxy(53.1418, 0.2457, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	55D4C7
RGB	85, 212, 199
RGB Percent	33%, 83%, 78%
CMY	0.6662, 0.1687, 0.2196
CMYK	0.60, 0.00, 0.06, 0.17
HSL	174°, 60%, 58%
HSV	174°, 60%, 83%
XYZ	37.6064, 53.1418, 62.3100
YIQ	172.5450, -71.5190, -30.9670

Conversions

Conversions Part 2

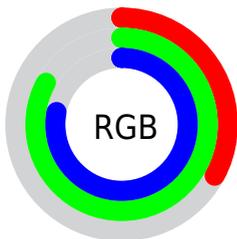
Format	Color
R_{YB}	85, 152, 212
Decimal	5625031
CIE _{Lab}	77.96, -37.93, -4.05
CIE _{LCh}	78, 38.143, 186.093
Yxy	53.1418, 0.2457, 0.3472
Android (android.graphics.Color)	4283815111 (0xFF55D4C7)
YUV	172.5450, 13.0423, -76.7770
Hunter-Lab	72.8984, -35.4887, 0.3507

Details

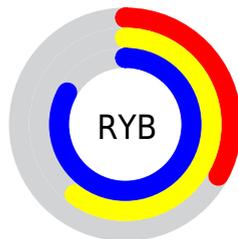
The Yxy color **53.1418, 0.2457, 0.3472** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.3952, 0.4796, 0.3146**, and the grayscale version is **41.5216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **26.1583, 0.2312, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **52.1942, 0.2400, 0.3507**, and if you desaturate by 10%, it is **54.3922, 0.2533, 0.3438**.

Distribution



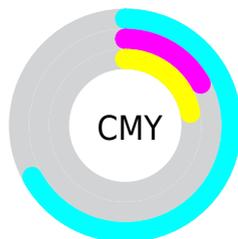
- Red (33%)
- Green (83%)
- Blue (78%)



- Red (33%)
- Yellow (60%)
- Blue (83%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (17%)



- Cyan (67%)
- Magenta (17%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1418, 0.2457, 0.3472 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 53.1418, 0.2457, 0.3472 by changing the saturation by 10% instead.

 53.1418, 0.2457,
0.3472

 53.1418, 0.2457,
0.3472

398.8289, 0.2780,
0.3388

 37.9160, 0.2380,
0.3491

 94.8130, 0.2571,
0.3443

 25.9175, 0.2284,
0.3514

 122.0272, 0.2615,
0.3432

 16.7619, 0.2160,
0.3542

 154.0062, 0.2653,
0.3422

 10.0649, 0.1994,
0.3579

 191.1346, 0.2685,
0.3413

 5.4420, 0.1763,
0.3624

233.7966, 0.2713,
0.3406

 2.5089, 0.1423,
0.3680

282.3768, 0.2738,

 0.8811, 0.0000,

0.3399

0.4096

337.2594, 0.2760,
0.3393

0.0000, 0.0000,
0.0000

53.1418, 0.2457,
0.3472

53.1418, 0.2457,
0.3472

52.1942, 0.2400,
0.3507

54.3922, 0.2533,
0.3438

51.5158, 0.2361,
0.3543

55.9633, 0.2627,
0.3404

51.0762, 0.2342,
0.3578

57.8788, 0.2737,
0.3372

50.8173, 0.2337,
0.3613

60.1584, 0.2859,
0.3343

50.8138, 0.2337,
0.3613

62.8204, 0.2990,
0.3315

■ 65.8817, 0.3129,
0.3290

■ 69.3583, 0.3272,
0.3267

■ 73.2654, 0.3417,
0.3247

■ 73.4334, 0.3403,
0.3225

Harmonies

Analogous

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



53.1418, 0.2866, 0.3950



53.1418, 0.2457, 0.3472



53.1418, 0.2233, 0.2979

Triad

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



53.1418, 0.2457, 0.3472



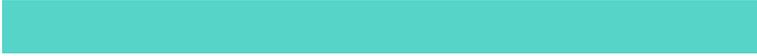
53.1418, 0.2827, 0.2529



53.1418, 0.4107, 0.3861

Complementary

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



53.1418, 0.2457, 0.3472



21.3952, 0.4796, 0.3146

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.



53.1418, 0.4112, 0.3472



53.1418, 0.2457, 0.3472



53.1418, 0.3337, 0.2741

Square

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



53.1418, 0.2457, 0.3472



53.1418, 0.2432, 0.2484



53.1418, 0.3823, 0.3075



53.1418, 0.3825, 0.4147

Rectangle

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



53.1418, 0.2457, 0.3472



53.1418, 0.2204, 0.2726



53.1418, 0.3823, 0.3075



53.1418, 0.4143, 0.3738

Sweetspot

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



53.1439, 0.2457, 0.3472



92.0109, 0.2880, 0.3338



50.4458, 0.3117, 0.5167



19.4575, 0.2842, 0.3346



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.



53.1439, 0.2457, 0.3472



78.9428, 0.2386, 0.3518



33.0112, 0.2233, 0.2560



14.0849, 0.2996, 0.3314



31.3810, 0.2336, 0.3608



1.8992, 0.2319, 0.3548

Inverse Universe

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



21.3952, 0.4796, 0.3146



26.5590, 0.5377, 0.3147



31.6356, 0.4565, 0.3873



12.4413, 0.3275, 0.3266



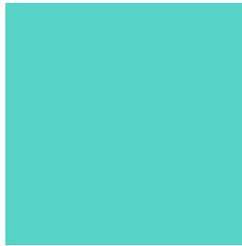
8.6831, 0.6273, 0.3229



0.5309, 0.5945, 0.3048

Previews

White Background



This preview shows how the Yxy color 53.1418, 0.2457, 0.3472 looks on a white background.

Color Contrast Check

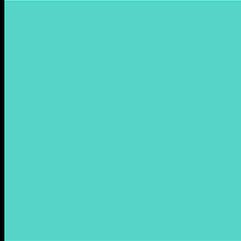
Large Text (above 18pt) WCAG AA × Fail

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 53.1418, 0.2457, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

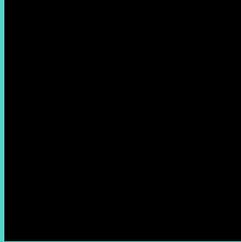
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

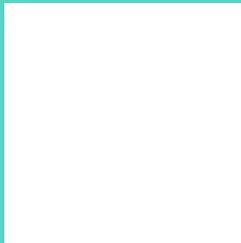
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1418, 0.2457, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 53.1418, 0.2457, 0.3472.

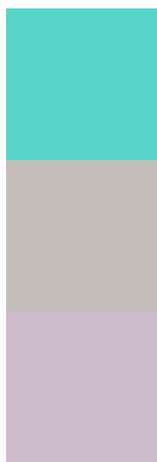


This preview shows how white text looks on a background with the Yxy color 53.1418, 0.2457, 0.3472.

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

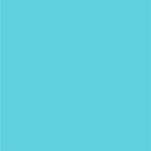
53.1418, 0.2457, 0.3472

Protanopia

52.1505, 0.3200, 0.3327

Deuteranopia

52.3630, 0.3130, 0.3064



Tritanopia

53.0348, 0.2364, 0.3060

Trichromacy



Original Color

53.1418, 0.2457, 0.3472



Protanomaly

51.2177, 0.2860, 0.3382



Deuteranomaly

50.9191, 0.2814, 0.3185



Tritanomaly

52.8341, 0.2393, 0.3192

Monochromacy



Original Color

53.1418, 0.2457, 0.3472



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.5808, 0.2804, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1418, 0.2457, 0.3472 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, 212, 199)` looks like.

```
.text, #text, p{  
    color:rgb(85, 212, 199)  
}
```

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, 212, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 212, 199) }
```

Border

The CSS property to change the border of an element to Yxy 53.1418, 0.2457, 0.3472 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, 212, 199) }
```

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

```
.border{ border-color:rgb(85, 212, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 212, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 212, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 212, 199);  
box-shadow:4px 4px 4px 4px rgb(85, 212,  
199) }
```

Background

The CSS property to change the background color of an element to Yxy 53.1418, 0.2457, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 212, 199) }
```

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

```
.background{ background-color: rgb(85, 212,  
199) }
```

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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