

Converting Colors

$Y_{xy}(52.0945, 0.2509, 0.3466)$

Have a look what the booklet for
Yxy(52.0945, 0.2509, 0.3466)
contains.

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Color

$\text{Yxy}(52.1278, 0.2511, 0.3472)$

Conversions

Conversions Part 1

Format	Color
Hex	61D1C4
RGB	97, 209, 196
RGB Percent	38%, 82%, 77%
CMY	0.6194, 0.1804, 0.2313
CMYK	0.54, 0.00, 0.06, 0.18
HSL	173°, 55%, 60%
HSV	173°, 54%, 82%
XYZ	37.6996, 52.1278, 60.3103
YIQ	174.0300, -62.5790, -27.7870

Conversions

Conversions Part 2

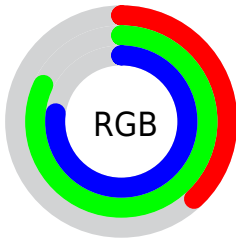
Format	Color
RYB	97, 156, 209
Decimal	6410692
CIELab	77.36, -35.03, -3.29
CIELCh	77, 35.187, 185.365
Yxy	52.1278, 0.2511, 0.3472
Android (android.graphics.Color)	4284600772 (0xFF61D1C4)
YUV	174.0300, 10.8312, -67.5553
Hunter-Lab	72.1996, -33.1441, 1.0131

Details

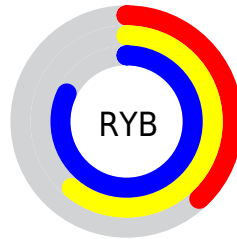
The Yxy color **52.1278, 0.2511, 0.3472** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2405, 0.4505, 0.3136**, and the grayscale version is **42.3192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6798, 0.2597, 0.3311**, and **25.2838, 0.2351, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **51.0189, 0.2442, 0.3512**, and if you desaturate by 10%, it is **53.5450, 0.2598, 0.3434**.

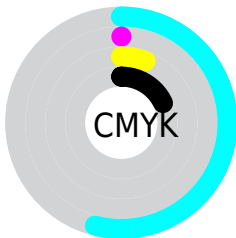
Distribution



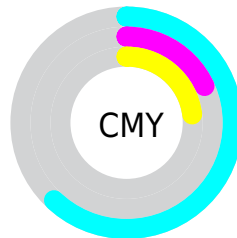
- Red (38%)
- Green (82%)
- Blue (77%)



- Red (38%)
- Yellow (61%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1278, 0.2511, 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 52.1278, 0.2511, 0.3472 by changing the saturation by 10% instead.

 52.1278, 0.2511,
0.3472


 52.1278, 0.2511,
0.3472


394.9298, 0.2810,
0.3387


 37.1070, 0.2440,
0.3492


 93.3197, 0.2617,
0.3442


 25.2903, 0.2349,
0.3516


 120.2595, 0.2658,
0.3431

 16.2935, 0.2233,
0.3546


 151.9411, 0.2692,
0.3421

 9.7321, 0.2076,
0.3586

 188.7489, 0.2722,
0.3412

 5.2217, 0.1855,
0.3638

231.0673, 0.2748,
0.3405

 2.3779, 0.1524,
0.3707

279.2806, 0.2771,

 0.8145, 0.0000,

0.3398

0.4199

333.7733, 0.2791,
0.3392

■ 0.0000, 0.0000,
0.0000

■ 52.1278, 0.2511,
0.3472

■ 52.1278, 0.2511,
0.3472

■ 51.0189, 0.2442,
0.3512

■ 53.5450, 0.2598,
0.3434

■ 50.1878, 0.2393,
0.3552

■ 55.2861, 0.2700,
0.3397

■ 49.6086, 0.2363,
0.3592

■ 57.3727, 0.2816,
0.3362

■ 49.2473, 0.2351,
0.3632

■ 59.8230, 0.2943,
0.3330

■ 49.0921, 0.2349,
0.3658

■ 62.6538, 0.3078,
0.3300

■ 65.8809, 0.3218,
0.3273

■ 69.5192, 0.3360,
0.3249

■ 71.7860, 0.3431,
0.3226

■ 71.9118, 0.3413,
0.3201

Harmonies

Analogous

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



52.1278, 0.2897, 0.3908



52.1278, 0.2511, 0.3472



52.1278, 0.2295, 0.3014

Triad

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



52.1278, 0.2511, 0.3472



52.1278, 0.2838, 0.2575



52.1278, 0.4041, 0.3819

Complementary

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



52.1278, 0.2511, 0.3472



23.2405, 0.4505, 0.3136

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.



52.1278, 0.4038, 0.3455



52.1278, 0.2511, 0.3472



52.1278, 0.3312, 0.2770

Square

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



52.1278, 0.2511, 0.3472



52.1278, 0.2472, 0.2538



52.1278, 0.3763, 0.3082



52.1278, 0.3787, 0.4084

Rectangle

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



52.1278, 0.2511, 0.3472



52.1278, 0.2263, 0.2775



52.1278, 0.3763, 0.3082



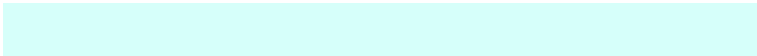
52.1278, 0.4072, 0.3704

Sweetspot

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



52.1298, 0.2511, 0.3472



92.7654, 0.2909, 0.3338



49.7854, 0.3126, 0.4955



19.6809, 0.2882, 0.3344



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.



52.1298, 0.2511, 0.3472



79.8459, 0.2436, 0.3516



34.4509, 0.2316, 0.2652



13.3825, 0.2998, 0.3317



30.2794, 0.2348, 0.3652



1.6999, 0.2327, 0.3579

Inverse Universe

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



23.2405, 0.4505, 0.3136



30.0212, 0.4982, 0.3122



33.1647, 0.4362, 0.3824



11.8302, 0.3273, 0.3263



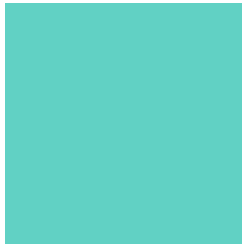
8.4066, 0.6248, 0.3216



0.4777, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 52.1278, 0.2511, 0.3472 looks on a white background.

Color Contrast Check

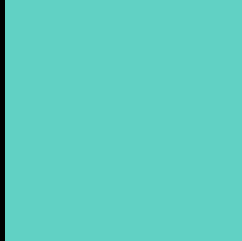
Large Text (above 18pt) WCAG AA × Fail

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 52.1278, 0.2511, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

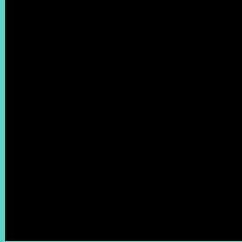
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

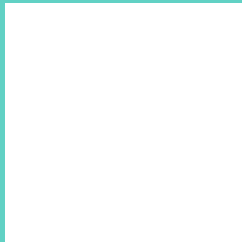
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1278, 0.2511, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 52.1278, 0.2511, 0.3472.

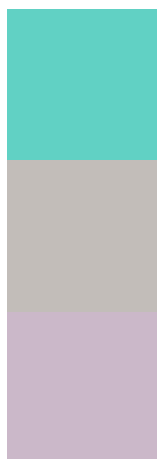


This preview shows how white text looks on a background with the Yxy color 52.1278, 0.2511, 0.3472.

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

52.1278, 0.2511, 0.3472

Protanopia

51.3673, 0.3199, 0.3340

Deuteranopia

51.1945, 0.3153, 0.3086



Tritanopia

52.0007, 0.2410, 0.3060

Trichromacy



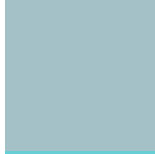
Original Color

52.1278, 0.2511, 0.3472



Protanomaly

50.5249, 0.2894, 0.3383



Deuteranomaly

50.1560, 0.2861, 0.3211



Tritanomaly

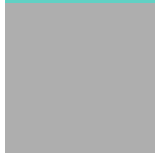
51.8303, 0.2444, 0.3192

Monochromacy



Original Color

52.1278, 0.2511, 0.3472



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.0290, 0.2840, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1278, 0.2511, 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(97, 209, 196)` looks like.

```
.text, #text, p{  
    color:rgb(97, 209, 196)  
}
```

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(97, 209, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 209, 196) }
```

Border

The CSS property to change the border of an element to Yxy 52.1278, 0.2511, 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(97, 209, 196) }
```

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

```
.border{ border-color:rgb(97, 209, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 209, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 209, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 209, 196);  
box-shadow:4px 4px 4px 4px rgb(97, 209,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1278, 0.2511, 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(97, 209, 196) }
```

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

```
.background{ background-color: rgb(97, 209,  
196) }
```

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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