

Converting Colors

$Yxy(52.7534, 0.2529, 0.3429)$

Have a look what the booklet for
Yxy(52.7534, 0.2529, 0.3429)
contains.

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Color

Yxy(52.7277, 0.2531, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	69D1C7
RGB	105, 209, 199
RGB Percent	41%, 82%, 78%
CMY	0.5884, 0.1804, 0.2196
CMYK	0.50, 0.00, 0.05, 0.18
HSL	174°, 53%, 62%
HSV	174°, 50%, 82%
XYZ	38.9305, 52.7277, 62.1565
YIQ	176.7640, -58.7740, -25.1580

Conversions

Conversions Part 2

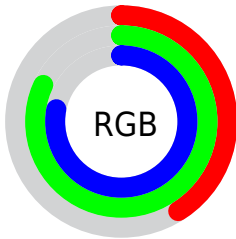
Format	Color
RYB	105, 160, 209
Decimal	6934983
CIELab	77.71, -32.61, -4.33
CIELCh	78, 32.901, 187.570
Yxy	52.7277, 0.2531, 0.3428
Android (android.graphics.Color)	4285125063 (0xFF69D1C7)
YUV	176.7640, 10.9623, -62.9370
Hunter-Lab	72.6138, -31.3749, 0.0782

Details

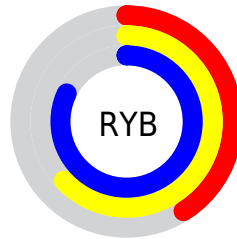
The Yxy color **52.7277, 0.2531, 0.3428** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.8881, 0.4386, 0.3169**, and the grayscale version is **43.7961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **25.6478, 0.2379, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **51.5237, 0.2454, 0.3460**, and if you desaturate by 10%, it is **54.2480, 0.2625, 0.3397**.

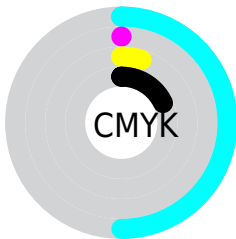
Distribution



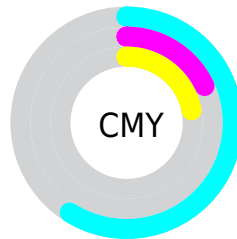
- Red (41%)
- Green (82%)
- Blue (78%)



- Red (41%)
- Yellow (63%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)




- Cyan (59%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7277, 0.2531, 0.3428 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 52.7277, 0.2531, 0.3428 by changing the saturation by 10% instead.


 52.7277, 0.2531,
0.3428


 52.7277, 0.2531,
0.3428


397.2395, 0.2819,
0.3365


 37.5854, 0.2462,
0.3442


 94.2036, 0.2633,
0.3406


 25.6611, 0.2376,
0.3459


 121.3059, 0.2672,
0.3398

 16.5703, 0.2264,
0.3480


 153.1638, 0.2706,
0.3390

 9.9286, 0.2114,
0.3507

 190.1616, 0.2735,
0.3384

 5.3516, 0.1902,
0.3540

232.6837, 0.2760,
0.3378

 2.4550, 0.1587,
0.3579

281.1144, 0.2782,

 0.8540, 0.0073,

0.3373

0.4013

335.8382, 0.2802,
0.3369

■ 0.0000, 0.0000,
0.0000

■ 52.7277, 0.2531,
0.3428

■ 52.7277, 0.2531,
0.3428

■ 51.5237, 0.2454,
0.3460

■ 54.2480, 0.2625,
0.3397

■ 50.6066, 0.2396,
0.3493

■ 56.0992, 0.2735,
0.3367

■ 49.9520, 0.2357,
0.3526


■ 58.3025, 0.2858,
0.3339


■ 49.5286, 0.2337,
0.3559


■ 60.8754, 0.2991,
0.3313

■ 49.2803, 0.2331,
0.3592

■ 63.8345, 0.3130,
0.3290

 49.2755, 0.2331,
0.3592

 67.1951, 0.3274,
0.3268

 70.9718, 0.3420,
0.3249

 71.7764, 0.3434,
0.3229

 71.8805, 0.3419,
0.3209

Harmonies

Analogous

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



52.7277, 0.2884, 0.3838



52.7277, 0.2531, 0.3428



52.7277, 0.2340, 0.3008

Triad

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



52.7277, 0.2531, 0.3428



52.7277, 0.2889, 0.2628



52.7277, 0.3970, 0.3810

Complementary

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



52.7277, 0.2531, 0.3428



24.8881, 0.4386, 0.3169

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.



52.7277, 0.3984, 0.3474



52.7277, 0.2531, 0.3428



52.7277, 0.3334, 0.2821

Square

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



52.7277, 0.2531, 0.3428



52.7277, 0.2535, 0.2583



52.7277, 0.3745, 0.3122



52.7277, 0.3720, 0.4042

Rectangle

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



52.7277, 0.2531, 0.3428



52.7277, 0.2320, 0.2791



52.7277, 0.3745, 0.3122



52.7277, 0.4004, 0.3705

Sweetspot

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



52.7298, 0.2531, 0.3428



93.2187, 0.2918, 0.3327



50.2941, 0.3119, 0.4831



19.7724, 0.2890, 0.3332



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.



52.7298, 0.2531, 0.3428



80.6527, 0.2448, 0.3463



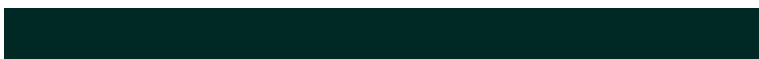
35.3845, 0.2363, 0.2678



13.3867, 0.2996, 0.3312



30.3867, 0.2330, 0.3588



1.7049, 0.2313, 0.3528

Inverse Universe

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



24.8881, 0.4386, 0.3169



32.0405, 0.4843, 0.3155



35.3121, 0.4233, 0.3812



11.8265, 0.3276, 0.3268



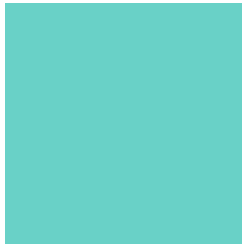
8.3958, 0.6281, 0.3234



0.4759, 0.5950, 0.3052

Previews

White Background



This preview shows how the Yxy color 52.7277, 0.2531, 0.3428 looks on a white background.

Color Contrast Check

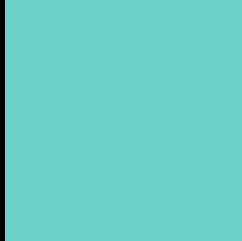
Large Text (above 18pt) WCAG AA × Fail

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 52.7277, 0.2531, 0.3428 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

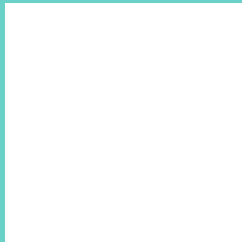
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7277, 0.2531, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 52.7277, 0.2531, 0.3428.

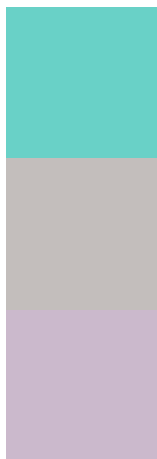


This preview shows how white text looks on a background with the Yxy color 52.7277, 0.2531, 0.3428.

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

52.7277, 0.2531, 0.3428

Protanopia

52.0599, 0.3184, 0.3315

Deuteranopia

51.7541, 0.3130, 0.3063



Tritanopia

52.8613, 0.2440, 0.3075

Trichromacy



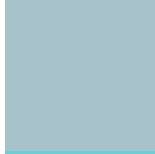
Original Color

52.7277, 0.2531, 0.3428



Protanomaly

51.4197, 0.2896, 0.3355



Deuteranomaly

51.0633, 0.2863, 0.3186



Tritanomaly

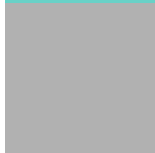
52.7319, 0.2468, 0.3193

Monochromacy



Original Color

52.7277, 0.2531, 0.3428



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.4773, 0.2858, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7277, 0.2531, 0.3428 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(105, 209, 199)` looks like.

```
.text, #text, p{  
    color:rgb(105, 209, 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(105, 209, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 209, 199) }
```

Border

The CSS property to change the border of an element to Yxy 52.7277, 0.2531, 0.3428 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(105, 209, 199) }
```

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

```
.border{ border-color:rgb(105, 209, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 209, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 209, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 209, 199);  
box-shadow:4px 4px 4px 4px rgb(105, 209,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7277, 0.2531, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 209, 199) }
```

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

```
.background{ background-color: rgb(105,  
209, 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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