

Converting Colors

$Y_{xy}(50.0892, 0.2751, 0.3544)$

Have a look what the booklet for
Yxy(50.0892, 0.2751, 0.3544)
contains.

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Color

Yxy(50.0977, 0.2753, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	84C9B7
RGB	132, 201, 183
RGB Percent	52%, 79%, 72%
CMY	0.4824, 0.2117, 0.2822
CMYK	0.34, 0.00, 0.09, 0.21
HSL	164°, 39%, 65%
HSV	164°, 34%, 79%
XYZ	38.9492, 50.0977, 52.4321
YIQ	178.3170, -35.3460, -20.2260

Conversions

Conversions Part 2

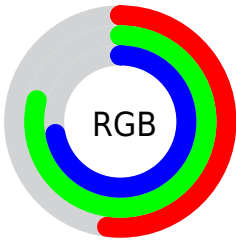
Format	Color
RYB	132, 172, 201
Decimal	8702391
CIELab	76.13, -25.72, 2.08
CIElCh	76, 25.809, 175.375
Yxy	50.0977, 0.2753, 0.3541
Android (android.graphics.Color)	4286892471 (0xFF84C9B7)
YUV	178.3170, 2.3087, -40.6200
Hunter-Lab	70.7797, -25.6383, 5.6251

Details

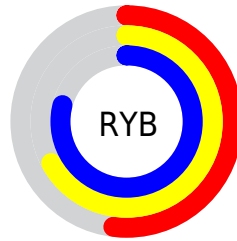
The Yxy color **50.0977, 0.2753, 0.3541** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.1155, 0.3717, 0.3057**, and the grayscale version is **44.6984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3168, 0.2816, 0.3462**, and **24.1414, 0.2653, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **48.4187, 0.2665, 0.3628**, and if you desaturate by 10%, it is **52.1011, 0.2853, 0.3460**.

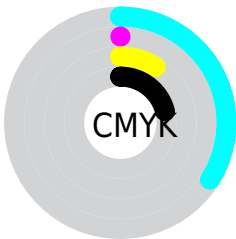
Distribution



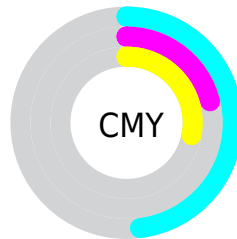
- Red (52%)
- Green (79%)
- Blue (72%)



- Red (52%)
- Yellow (67%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)



- Cyan (48%)
- Magenta (21%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0977, 0.2753, 0.3541 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 50.0977, 0.2753, 0.3541 by changing the saturation by 10% instead.


 50.0977, 0.2753,
0.3541


 50.0977, 0.2753,
0.3541


387.0479, 0.2938,
0.3416

 35.4910, 0.2707,
0.3572


 90.3196, 0.2820,
0.3496

 24.0414, 0.2649,
0.3612


 116.7037, 0.2845,
0.3479

 15.3643, 0.2573,
0.3665


 147.7823, 0.2866,
0.3464

 9.0755, 0.2467,
0.3738

183.9399, 0.2885,
0.3452

 4.7904, 0.2313,
0.3848

225.5608, 0.2901,
0.3441

 2.1248, 0.2066,
0.4026

273.0296, 0.2915,

 0.6785, 0.0132,

0.3432

0.5265

326.7304, 0.2927,
0.3423

0.0000, 0.0000,
0.0000

50.0977, 0.2753,
0.3541

50.0977, 0.2753,
0.3541

48.4187, 0.2665,
0.3628

52.1011, 0.2853,
0.3460

47.0398, 0.2592,
0.3719

54.4393, 0.2962,
0.3385

45.9432, 0.2535,
0.3814


57.1300, 0.3076,
0.3317

45.1066, 0.2498,
0.3911


60.1876, 0.3194,
0.3256


44.5040, 0.2481,
0.4009


63.6257, 0.3314,
0.3201


 44.1042, 0.2482,
0.4106

 67.4574, 0.3432,
0.3153

 43.9349, 0.2489,
0.4160

 68.1857, 0.3411,
0.3101

 68.4669, 0.3371,
0.3049

 68.7569, 0.3332,
0.2997

Harmonies

Analogous

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



50.0977, 0.3076, 0.3816



50.0977, 0.2753, 0.3541



50.0977, 0.2536, 0.3200

Triad

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



50.0977, 0.2753, 0.3541



50.0977, 0.2809, 0.2722



50.0977, 0.3829, 0.3613

Complementary

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



50.0977, 0.2753, 0.3541



31.1155, 0.3717, 0.3057

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.



50.0977, 0.3754, 0.3328



50.0977, 0.2753, 0.3541



50.0977, 0.3148, 0.2833

Square

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



50.0977, 0.2753, 0.3541



50.0977, 0.2568, 0.2744



50.0977, 0.3499, 0.3049



50.0977, 0.3704, 0.3837

Rectangle

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



50.0977, 0.2753, 0.3541



50.0977, 0.2475, 0.2996



50.0977, 0.3499, 0.3049



50.0977, 0.3827, 0.3521

Sweetspot

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



50.0997, 0.2753, 0.3541



95.0600, 0.3009, 0.3356



49.9618, 0.3218, 0.4265



20.2091, 0.2993, 0.3366



0.0000, 0.0000, 0.0000



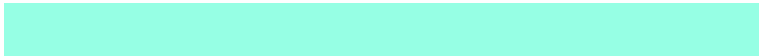
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.0997, 0.2753, 0.3541



83.6357, 0.2688, 0.3603



43.7768, 0.2616, 0.3063



12.0186, 0.3018, 0.3351



27.6386, 0.2485, 0.4146



1.3201, 0.2429, 0.3945

Inverse Universe

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



31.1155, 0.3717, 0.3057



46.4180, 0.3901, 0.3007



35.2900, 0.3857, 0.3503



10.6815, 0.3249, 0.3230



7.9784, 0.5875, 0.3010



0.3901, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 50.0977, 0.2753, 0.3541 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 50.0977, 0.2753, 0.3541 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

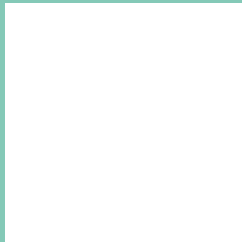
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0977, 0.2753, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 50.0977, 0.2753, 0.3541.

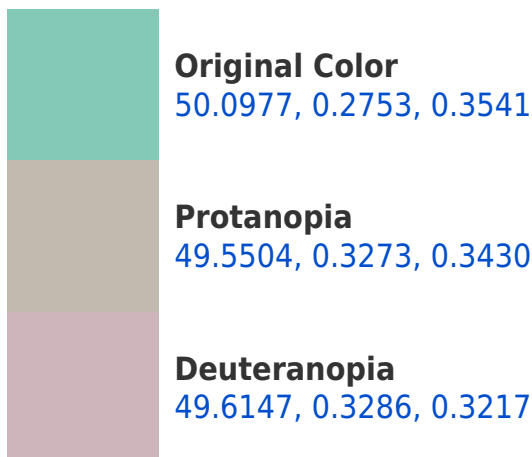


This preview shows how white text looks on a background with the Yxy color 50.0977, 0.2753, 0.3541.

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





Tritanopia

50.1749, 0.2617, 0.3090

Trichromacy



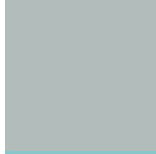
Original Color

50.0977, 0.2753, 0.3541



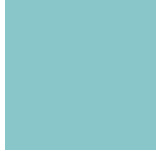
Protanomaly

49.1339, 0.3063, 0.3462



Deuteranomaly

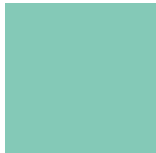
48.9766, 0.3061, 0.3316



Tritanomaly

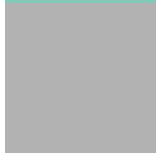
49.8395, 0.2665, 0.3248

Monochromacy



Original Color

50.0977, 0.2753, 0.3541



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

45.9902, 0.2969, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0977, 0.2753, 0.3541 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, 201, 183)` looks like.

```
.text, #text, p{  
    color:rgb(132, 201, 183)  
}
```

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, 201, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 201, 183) }
```

Border

The CSS property to change the border of an element to Yxy 50.0977, 0.2753, 0.3541 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, 201, 183) }
```

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

```
.border{ border-color:rgb(132, 201, 183) }
```

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

Here you see how a box with a 4 pixel rgb(132, 201, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 201, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 201, 183);  
box-shadow:4px 4px 4px 4px rgb(132, 201,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0977, 0.2753, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 201, 183) }
```

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

```
.background{ background-color: rgb(132,  
201, 183) }
```

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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