

Converting Colors

$Y_{xy}(54.7240, 0.2738, 0.3995)$

Have a look what the booklet for
Yxy(54.7240, 0.2738, 0.3995)
contains.

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Color

Yxy(54.5422, 0.2737, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	6CD7A6
RGB	108, 215, 166
RGB Percent	42%, 84%, 65%
CMY	0.5761, 0.1569, 0.3490
CMYK	0.50, 0.00, 0.23, 0.16
HSL	153°, 57%, 63%
HSV	153°, 50%, 84%
XYZ	37.3766, 54.5422, 44.6416
YIQ	177.4210, -48.0430, -37.9230

Conversions

Conversions Part 2

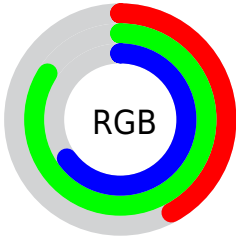
Format	Color
RYB	108, 177, 215
Decimal	7133094
CIELab	78.78, -42.20, 14.83
CIELCh	79, 44.734, 160.639
Yxy	54.5422, 0.2737, 0.3994
Android (android.graphics.Color)	4285323174 (0xFF6CD7A6)
YUV	177.4210, -5.6306, -60.8822
Hunter-Lab	73.8527, -38.9040, 15.8580

Details

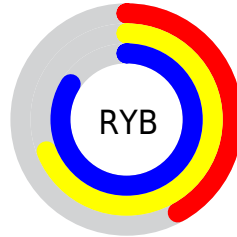
The Yxy color **54.5422, 0.2737, 0.3994** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.6261, 0.3860, 0.2701**, and the grayscale version is **44.2611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7398, 0.2792, 0.3677**, and **26.6155, 0.2619, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **53.0094, 0.2690, 0.4168**, and if you desaturate by 10%, it is **56.4395, 0.2799, 0.3828**.

Distribution



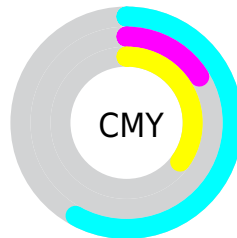
- Red (42%)
- Green (84%)
- Blue (65%)



- Red (42%)
- Yellow (69%)
- Blue (84%)



- Cyan (50%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)





- Cyan (58%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5422, 0.2737, 0.3994 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 54.5422, 0.2737, 0.3994 by changing the saturation by 10% instead.

 54.5422, 0.2737,
0.3994


 54.5422, 0.2737,
0.3994


404.1742, 0.2934,
0.3635

 39.0353, 0.2687,
0.4086


 96.8699, 0.2809,
0.3862

 26.7872, 0.2623,
0.4204


 124.4595, 0.2836,
0.3813

 17.4135, 0.2537,
0.4364


 156.8454, 0.2859,
0.3772

 10.5297, 0.2416,
0.4590

194.4121, 0.2878,
0.3736

 5.7516, 0.2236,
0.4932

237.5439, 0.2895,
0.3706

 2.6946, 0.1940,
0.5504

286.6253, 0.2910,

 0.9745, 0.0000,

0.3679

0.9787

342.0406, 0.2923,
0.3656

■ 0.0000, 0.0000,
0.0000

■ 54.5422, 0.2737,
0.3994

■ 54.5422, 0.2737,
0.3994

■ 53.0094, 0.2690,
0.4168

■ 56.4395, 0.2799,
0.3828

■ 51.8091, 0.2660,
0.4348

■ 58.7176, 0.2872,
0.3674

■ 50.9143, 0.2650,
0.4528

■ 61.3997, 0.2954,
0.3531

■ 50.2910, 0.2661,
0.4705


■ 64.5053, 0.3040,
0.3403


■ 49.8797, 0.2688,
0.4875


■ 68.0524, 0.3130,
0.3287

 49.8696, 0.2689,
0.4879

 72.0582, 0.3220,
0.3184

 75.8529, 0.3282,
0.3092

 76.4380, 0.3214,
0.2996

 77.0551, 0.3148,
0.2904

Harmonies

Analogous

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



54.5422, 0.3306, 0.4343



54.5422, 0.2737, 0.3994



54.5422, 0.2299, 0.3404

Triad

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



54.5422, 0.2737, 0.3994



54.5422, 0.2383, 0.2361



54.5422, 0.4295, 0.3557

Complementary

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



54.5422, 0.2737, 0.3994



27.6261, 0.3860, 0.2701

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.



54.5422, 0.4007, 0.3102



54.5422, 0.2737, 0.3994



54.5422, 0.2860, 0.2447

Square

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



54.5422, 0.2737, 0.3994



54.5422, 0.2116, 0.2488



54.5422, 0.3460, 0.2710



54.5422, 0.4228, 0.3997

Rectangle

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



54.5422, 0.2737, 0.3994



54.5422, 0.2129, 0.3014



54.5422, 0.3460, 0.2710



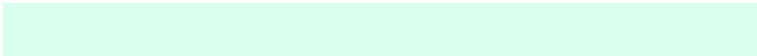
54.5422, 0.4237, 0.3403

Sweetspot

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



54.5444, 0.2737, 0.3994



92.3758, 0.2993, 0.3471



56.9482, 0.3395, 0.4703



19.5683, 0.2975, 0.3499



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.



54.5444, 0.2737, 0.3994



77.8437, 0.2686, 0.4184



54.9014, 0.2471, 0.3240



14.0074, 0.3043, 0.3399



29.8521, 0.2682, 0.4854



1.8172, 0.2600, 0.4559

Inverse Universe

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



27.6261, 0.3860, 0.2701



33.7448, 0.4112, 0.2596



27.0421, 0.4503, 0.3337



12.5145, 0.3220, 0.3184



9.1950, 0.5123, 0.2596



0.5712, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 54.5422, 0.2737, 0.3994 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 54.5422, 0.2737, 0.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

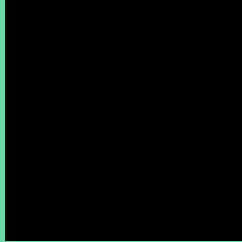
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

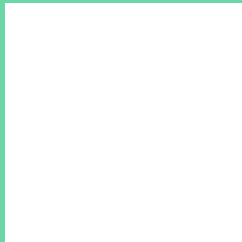
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.5422, 0.2737, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 54.5422, 0.2737, 0.3994.

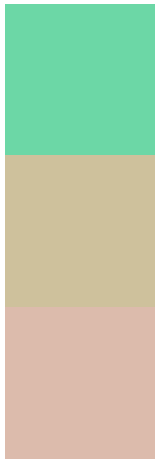


This preview shows how white text looks on a background with the Yxy color 54.5422, 0.2737, 0.3994.

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

54.5422, 0.2737, 0.3994

Protanopia

53.6620, 0.3525, 0.3744

Deuteranopia

53.7348, 0.3531, 0.3467



Tritanopia

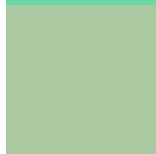
54.2926, 0.2490, 0.3067

Trichromacy



Original Color

54.5422, 0.2737, 0.3994



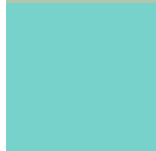
Protanomaly

52.8574, 0.3179, 0.3835



Deuteranomaly

52.4185, 0.3182, 0.3641



Tritanomaly

54.2565, 0.2575, 0.3384

Monochromacy



Original Color

54.5422, 0.2737, 0.3994



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.9541, 0.2950, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5422, 0.2737, 0.3994 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(108, 215, 166)` looks like.

```
.text, #text, p{  
    color:rgb(108, 215, 166)  
}
```

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(108, 215, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 215, 166) }
```

Border

The CSS property to change the border of an element to Yxy 54.5422, 0.2737, 0.3994 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(108, 215, 166) }
```

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

```
.border{ border-color:rgb(108, 215, 166) }
```

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

Here you see how a box with a 4 pixel rgb(108, 215, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 215, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 215, 166);  
box-shadow:4px 4px 4px 4px rgb(108, 215,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5422, 0.2737, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 215, 166) }
```

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

```
.background{ background-color: rgb(108,  
215, 166) }
```

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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