

Converting Colors

$Y_{xy}(57.1752, 0.2742, 0.3428)$

Have a look what the booklet for
Yxy(57.1752, 0.2742, 0.3428)
contains.

Yxy(57.3238, 0.2740, 0.3433)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.3238, 0.2740, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	91D4C9
RGB	145, 212, 201
RGB Percent	57%, 83%, 79%
CMY	0.4317, 0.1686, 0.2118
CMYK	0.32, 0.00, 0.05, 0.17
HSL	170°, 44%, 70%
HSV	170°, 32%, 83%
XYZ	45.7522, 57.3238, 63.9028
YIQ	190.7130, -36.4010, -17.6250

Conversions

Conversions Part 2

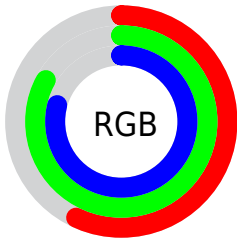
Format	Color
RYB	145, 181, 212
Decimal	9557193
CIELab	80.36, -23.49, -1.31
CIELCh	80, 23.530, 183.189
Yxy	57.3238, 0.2740, 0.3433
Android (android.graphics.Color)	4287747273 (0xFF91D4C9)
YUV	190.7130, 5.0715, -40.0903
Hunter-Lab	75.7125, -24.6314, 2.9569

Details

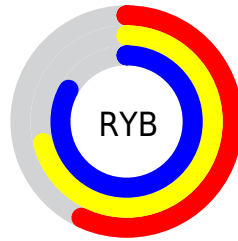
The Yxy color **57.3238, 0.2740, 0.3433** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6278, 0.3726, 0.3154**, and the grayscale version is **51.9036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **28.4447, 0.2638, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **55.4154, 0.2639, 0.3486**, and if you desaturate by 10%, it is **59.5999, 0.2853, 0.3384**.

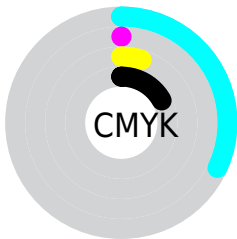
Distribution



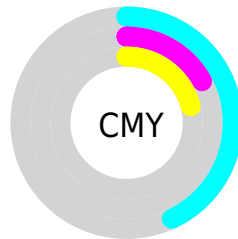
- Red (57%)
- Green (83%)
- Blue (79%)



- Red (57%)
- Yellow (71%)
- Blue (83%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (17%)



- Cyan (43%)
- Magenta (17%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.3238, 0.2740, 0.3433 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 57.3238, 0.2740, 0.3433 by changing the saturation by 10% instead.


 57.3238, 0.2740,
0.3433


 57.3238, 0.2740,
0.3433

414.6615, 0.2926,
0.3365

 41.2653, 0.2696,
0.3449


 100.9375, 0.2806,
0.3409

 28.5264, 0.2640,
0.3469


 129.2615, 0.2831,
0.3400

 18.7229, 0.2568,
0.3495


162.4427, 0.2853,
0.3392

 11.4702, 0.2472,
0.3529

200.8655, 0.2871,
0.3385

 6.3840, 0.2336,
0.3576

244.9145, 0.2888,
0.3379

 3.0800, 0.2129,
0.3646

294.9739, 0.2902,

 1.1736, 0.1677,

0.3374

0.3808

351.4281, 0.2915,
0.3369

0.0400, 0.0000,
0.2285

0.0000, 0.0000,
0.0000

57.3238, 0.2740,
0.3433

57.3238, 0.2740,
0.3433

55.4154, 0.2639,
0.3486

59.5999, 0.2853,
0.3384

53.8477, 0.2553,
0.3541

62.2553, 0.2976,
0.3338

52.6009, 0.2485,
0.3598

65.3094, 0.3105,
0.3296

51.6505, 0.2435,
0.3657

68.7786, 0.3239,
0.3259

■ 50.9683, 0.2405,
0.3716

■ 72.6780, 0.3374,
0.3225

■ 50.5204, 0.2394,
0.3775

■ 73.6252, 0.3379,
0.3191

■ 50.2770, 0.2395,
0.3823

■ 73.8140, 0.3354,
0.3156

■ 74.0067, 0.3329,
0.3122

■ 74.2033, 0.3304,
0.3087

Harmonies

Analogous

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



57.3238, 0.3005, 0.3695



57.3238, 0.2740, 0.3433



57.3238, 0.2581, 0.3141

Triad

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



57.3238, 0.2740, 0.3433



57.3238, 0.2922, 0.2805



57.3238, 0.3726, 0.3635

Complementary

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



57.3238, 0.2740, 0.3433



36.6278, 0.3726, 0.3154

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.



57.3238, 0.3706, 0.3393



57.3238, 0.2740, 0.3433



57.3238, 0.3229, 0.2930

Square

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



57.3238, 0.2740, 0.3433



57.3238, 0.2681, 0.2794



57.3238, 0.3521, 0.3140



57.3238, 0.3579, 0.3801

Rectangle

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



57.3238, 0.2740, 0.3433



57.3238, 0.2551, 0.2976



57.3238, 0.3521, 0.3140



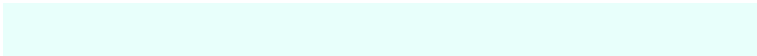
57.3238, 0.3739, 0.3559

Sweetspot

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



57.3261, 0.2740, 0.3433



95.6635, 0.3009, 0.3327



56.2175, 0.3164, 0.4196



20.3362, 0.2990, 0.3333



0.0000, 0.0000, 0.0000



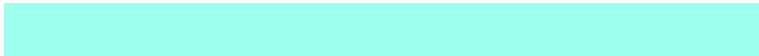
21.4041, 0.3127, 0.3290

Same Dimension

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



57.3261, 0.2740, 0.3433



85.0352, 0.2670, 0.3468



47.4455, 0.2641, 0.2992



14.0712, 0.3004, 0.3329



31.0450, 0.2393, 0.3815



1.8820, 0.2365, 0.3714

Inverse Universe

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



36.6278, 0.3726, 0.3154



48.8051, 0.3914, 0.3125



43.7866, 0.3760, 0.3569



12.4538, 0.3265, 0.3252



8.7254, 0.6151, 0.3162



0.5368, 0.5707, 0.2918

Previews

White Background



This preview shows how the Yxy color 57.3238, 0.2740, 0.3433 looks on a white background.

Color Contrast Check

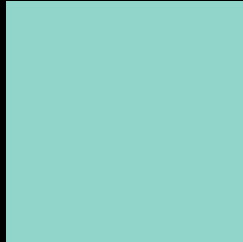
Large Text (above 18pt) WCAG AA × Fail

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 57.3238, 0.2740, 0.3433 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

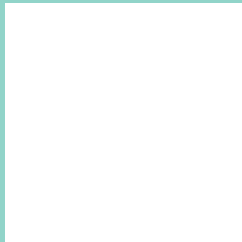
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.3238, 0.2740, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 57.3238, 0.2740, 0.3433.

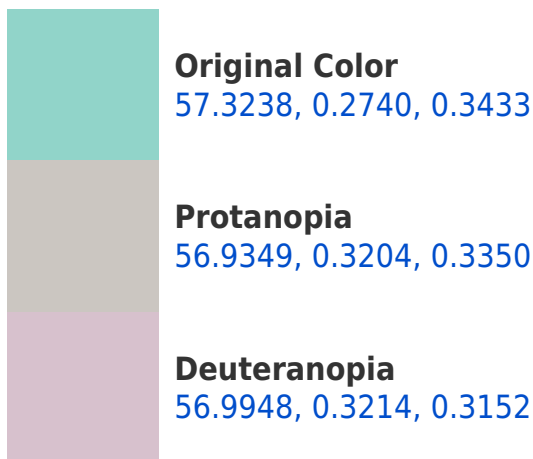


This preview shows how white text looks on a background with the Yxy color 57.3238, 0.2740, 0.3433.

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

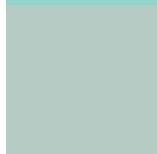
57.0320, 0.2628, 0.3076

Trichromacy



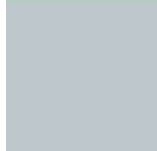
Original Color

57.3238, 0.2740, 0.3433



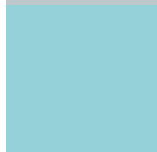
Protanomaly

56.6425, 0.3017, 0.3377



Deuteranomaly

56.6153, 0.3022, 0.3241



Tritanomaly

56.8547, 0.2668, 0.3199

Monochromacy



Original Color

57.3238, 0.2740, 0.3433



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

53.7856, 0.2964, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3238, 0.2740, 0.3433 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(145, 212, 201)` looks like.

```
.text, #text, p{  
    color:rgb(145, 212, 201)  
}
```

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(145, 212, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 212, 201) }
```

Border

The CSS property to change the border of an element to Yxy 57.3238, 0.2740, 0.3433 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(145, 212, 201) }
```

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

```
.border{ border-color:rgb(145, 212, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 212, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 212, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 212, 201); box-shadow:4px 4px 4px 4px rgb(145, 212, 201) }
```


Background

The CSS property to change the background color of an element to Yxy 57.3238, 0.2740, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 212, 201) }
```

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

```
.background{ background-color: rgb(145,  
212, 201) }
```

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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