

Converting Colors

$Y_{xy}(57.6120, 0.2632, 0.4477)$

Have a look what the booklet for
Yxy(57.6120, 0.2632, 0.4477)
contains.

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Color

Yxy(57.6342, 0.2630, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	2DE394
RGB	45, 227, 148
RGB Percent	18%, 89%, 58%
CMY	0.8236, 0.1098, 0.4197
CMYK	0.80, 0.00, 0.35, 0.11
HSL	154°, 76%, 53%
HSV	154°, 80%, 89%
XYZ	33.8949, 57.6342, 37.3488
YIQ	163.5760, -83.1130, -63.1530

Conversions

Conversions Part 2

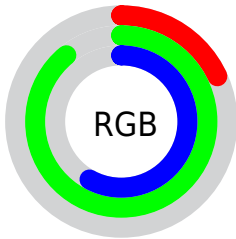
Format	Color
RYB	45, 161, 227
Decimal	3007380
CIELab	80.53, -61.53, 26.44
CIELCh	81, 66.968, 156.748
Yxy	57.6342, 0.2630, 0.4472
Android (android.graphics.Color)	4281197460 (0xFF2DE394)
YUV	163.5760, -7.6790, -103.9912
Hunter-Lab	75.9172, -53.1599, 23.9733

Details

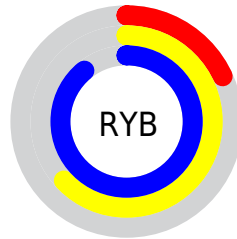
The Yxy color **57.6342, 0.2630, 0.4472** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **19.6626, 0.4716, 0.2558**, and the grayscale version is **36.9773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8492, 0.2681, 0.3942**, and **29.6125, 0.2654, 0.4753** is the 20% darker color. If you saturate the color by 10%, you get **56.9539, 0.2640, 0.4640**, and if you desaturate by 10%, it is **58.6221, 0.2640, 0.4301**.

Distribution



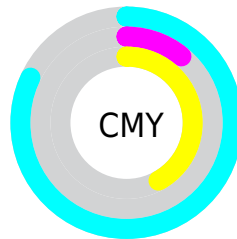
- Red (18%)
- Green (89%)
- Blue (58%)



- Red (18%)
- Yellow (63%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (35%)
- Black (11%)




- Cyan (82%)
- Magenta (11%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6342, 0.2630, 0.4472 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 57.6342, 0.2630, 0.4472 by changing the saturation by 10% instead.

 57.6342, 0.2630,
0.4472


 57.6342, 0.2630,
0.4472

415.8215, 0.2890,
0.3861


 41.5146, 0.2562,
0.4630

 101.3900, 0.2727,
0.4246

 28.7214, 0.2474,
0.4835


 129.7950, 0.2762,
0.4162


 18.8702, 0.2354,
0.5110

 163.0639, 0.2792,
0.4092

 11.5765, 0.2183,
0.5499

 201.5812, 0.2818,
0.4032

 6.4560, 0.1925,
0.6080

 245.7312, 0.2839,
0.3980

 3.1243, 0.1494,
0.7085

295.8983, 0.2858,

 1.1970, 0.0000,

0.3935

1.0000

352.4670, 0.2875,
0.3895

■ 0.0592, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6342, 0.2630,
0.4472

■ 57.6342, 0.2630,
0.4472

■ 56.9539, 0.2640,
0.4640


■ 58.6221, 0.2640,
0.4301


■ 56.5119, 0.2667,
0.4800


■ 59.9501, 0.2671,
0.4130


■ 61.6540, 0.2719,
0.3965


■ 63.7629, 0.2783,
0.3808

 66.3030, 0.2858,
0.3661

 69.2983, 0.2943,
0.3525

 72.7709, 0.3033,
0.3402

 76.7416, 0.3125,
0.3292

 81.2298, 0.3219,
0.3194

Harmonies

Analogous

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



57.6342, 0.3438, 0.4901



57.6342, 0.2630, 0.4472



57.6342, 0.2003, 0.3553

Triad

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



57.6342, 0.2630, 0.4472



57.6342, 0.2015, 0.2004



57.6342, 0.4808, 0.3516

Complementary

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



57.6342, 0.2630, 0.4472



19.6626, 0.4716, 0.2558

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.



57.6342, 0.4330, 0.2920



57.6342, 0.2630, 0.4472



57.6342, 0.2625, 0.2096

Square

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



57.6342, 0.2630, 0.4472



57.6342, 0.1705, 0.2184



57.6342, 0.3479, 0.2420



57.6342, 0.4732, 0.4139

Rectangle

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



57.6342, 0.2630, 0.4472



57.6342, 0.1760, 0.2949



57.6342, 0.3479, 0.2420



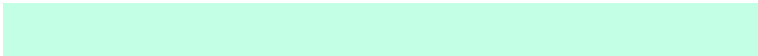
57.6342, 0.4709, 0.3311

Sweetspot

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



57.6365, 0.2630, 0.4472



88.5884, 0.2908, 0.3578



59.6345, 0.3385, 0.5503



18.6659, 0.2878, 0.3626



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.



57.6365, 0.2630, 0.4472



73.7471, 0.2657, 0.4745



56.1972, 0.2252, 0.3164



16.2251, 0.3039, 0.3394



32.9799, 0.2660, 0.4775



2.4557, 0.2594, 0.4537

Inverse Universe

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



19.6626, 0.4716, 0.2558



22.7534, 0.5178, 0.2646



19.1674, 0.5867, 0.3359



14.4714, 0.3225, 0.3188



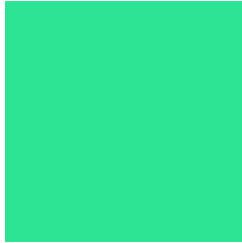
10.0670, 0.5231, 0.2656



0.7623, 0.4864, 0.2453

Previews

White Background



This preview shows how the Yxy color 57.6342, 0.2630, 0.4472 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 57.6342, 0.2630, 0.4472 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 57.6342, 0.2630, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 57.6342, 0.2630, 0.4472.

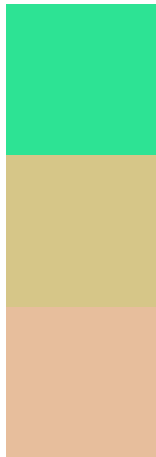


This preview shows how white text looks on a background with the Yxy color 57.6342, 0.2630, 0.4472.

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

57.6342, 0.2630, 0.4472

Protanopia

56.4619, 0.3734, 0.4025

Deuteranopia

56.2161, 0.3753, 0.3678



Tritanopia

57.1761, 0.2324, 0.3053

Trichromacy



Original Color

57.6342, 0.2630, 0.4472



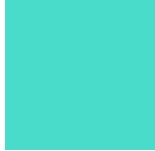
Protanomaly

54.2667, 0.3175, 0.4237



Deuteranomaly

52.7983, 0.3171, 0.3966



Tritanomaly

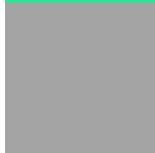
56.9147, 0.2423, 0.3525

Monochromacy



Original Color

57.6342, 0.2630, 0.4472



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.0742, 0.2824, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6342, 0.2630, 0.4472 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(45, 227, 148)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 148)  
}
```

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(45, 227, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 148) }
```

Border

The CSS property to change the border of an element to Yxy 57.6342, 0.2630, 0.4472 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(45, 227, 148) }
```

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

```
.border{ border-color:rgb(45, 227, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 148);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6342, 0.2630, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 148) }
```

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

```
.background{ background-color: rgb(45, 227,  
148) }
```

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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