

Converting Colors

$Y_{xy}(57.5200, 0.2560, 0.4356)$

Have a look what the booklet for
Yxy(57.5200, 0.2560, 0.4356)
contains.

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Color

Yxy(57.5090, 0.2559, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	16E39C
RGB	22, 227, 156
RGB Percent	9%, 89%, 61%
CMY	0.9139, 0.1098, 0.3882
CMYK	0.90, 0.00, 0.31, 0.11
HSL	159°, 82%, 49%
HSV	159°, 90%, 89%
XYZ	33.8001, 57.5090, 40.7741
YIQ	157.6110, -99.3890, -65.5410

Conversions

Conversions Part 2

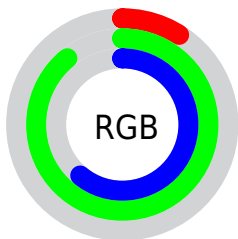
Format	Color
R_{YB}	22, 146, 227
Decimal	1500060
CIE _{Lab}	80.47, -61.56, 22.16
CIE _{LCh}	80, 65.426, 160.201
Yxy	57.5090, 0.2559, 0.4354
Android (android.graphics.Color)	4279690140 (0xFF16E39C)
YUV	157.6110, -0.7942, -118.9308
Hunter-Lab	75.8347, -53.1519, 21.2058

Details

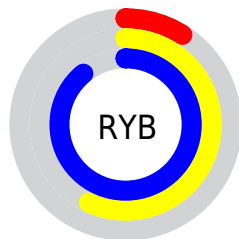
The Yxy color **57.5090, 0.2559, 0.4354** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.6930, 0.5336, 0.2782**, and the grayscale version is **34.0386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6679, 0.2606, 0.3830**, and **29.7489, 0.2613, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **57.0917, 0.2578, 0.4481**, and if you desaturate by 10%, it is **58.1663, 0.2556, 0.4220**.

Distribution



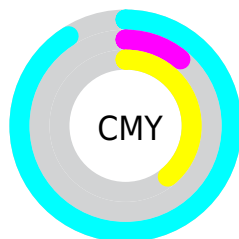
- Red (9%)
- Green (89%)
- Blue (61%)



- Red (9%)
- Yellow (57%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)





- Cyan (91%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5090, 0.2559, 0.4354 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 57.5090, 0.2559, 0.4354 by changing the saturation by 10% instead.


 57.5090, 0.2559,
0.4354

 57.5090, 0.2559,
0.4354


415.3539, 0.2849,
0.3806

 41.4140, 0.2486,
0.4495


 101.2075, 0.2665,
0.4152

 28.6428, 0.2391,
0.4677


 129.5798, 0.2705,
0.4077


 18.8107, 0.2264,
0.4923


 162.8134, 0.2738,
0.4014

 11.5336, 0.2088,
0.5269

 201.2926, 0.2767,
0.3960

 6.4269, 0.1828,
0.5787

 245.4019, 0.2791,
0.3914

 3.1064, 0.1392,
0.6645

295.5256, 0.2813,

 1.1875, 0.0000,

0.3873

1.0000

352.0481, 0.2832,
0.3838

■ 0.0515, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.5090, 0.2559,
0.4354

■ 57.5090, 0.2559,
0.4354


■ 57.0917, 0.2578,
0.4481

■ 58.1663, 0.2556,
0.4220


■ 59.1146, 0.2573,
0.4086


■ 60.3955, 0.2611,
0.3953


■ 62.0421, 0.2666,
0.3823

 64.0833, 0.2738,
0.3700

 66.5452, 0.2823,
0.3585

 69.4514, 0.2917,
0.3478

 72.8238, 0.3018,
0.3381

 76.6828, 0.3124,
0.3293

Harmonies

Analogous

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



57.5090, 0.3343, 0.4850



57.5090, 0.2559, 0.4354



57.5090, 0.1974, 0.3441

Triad

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



57.5090, 0.2559, 0.4354



57.5090, 0.2090, 0.2025



57.5090, 0.4792, 0.3587

Complementary

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



57.5090, 0.2559, 0.4354



17.6930, 0.5336, 0.2782

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.



57.5090, 0.4382, 0.2993



57.5090, 0.2559, 0.4354



57.5090, 0.2723, 0.2144

Square

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



57.5090, 0.2559, 0.4354



57.5090, 0.1751, 0.2171



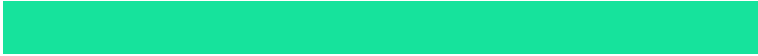
57.5090, 0.3575, 0.2486



57.5090, 0.4661, 0.4197

Rectangle

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



57.5090, 0.2559, 0.4354



57.5090, 0.1759, 0.2870



57.5090, 0.3575, 0.2486



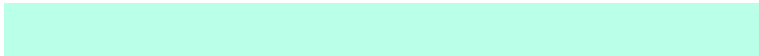
57.5090, 0.4715, 0.3384

Sweetspot

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



57.5113, 0.2559, 0.4354



87.7566, 0.2852, 0.3550



57.3633, 0.3230, 0.5754



18.5207, 0.2820, 0.3588



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.



57.5113, 0.2559, 0.4354



74.2993, 0.2580, 0.4489



45.3075, 0.2139, 0.2851



16.2472, 0.3027, 0.3373



33.3174, 0.2573, 0.4461



2.4794, 0.2519, 0.4269

Inverse Universe

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



17.6930, 0.5336, 0.2782



21.9694, 0.5641, 0.2881



18.9092, 0.6053, 0.3460



14.4500, 0.3238, 0.3209



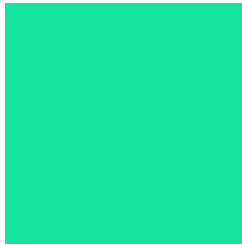
9.8699, 0.5585, 0.2851



0.7464, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 57.5090, 0.2559, 0.4354 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 57.5090, 0.2559, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

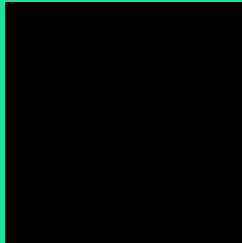
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.5090, 0.2559, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 57.5090, 0.2559, 0.4354.

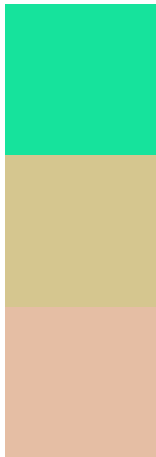


This preview shows how white text looks on a background with the Yxy color 57.5090, 0.2559, 0.4354.

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

57.5090, 0.2559, 0.4354

Protanopia

56.5175, 0.3672, 0.3946

Deuteranopia

56.1653, 0.3669, 0.3588



Tritanopia

57.2861, 0.2293, 0.3052

Trichromacy



Original Color

57.5090, 0.2559, 0.4354



Protanomaly

53.6683, 0.3059, 0.4141



Deuteranomaly

52.1551, 0.3048, 0.3867



Tritanomaly

57.0687, 0.2374, 0.3497

Monochromacy



Original Color

57.5090, 0.2559, 0.4354



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.5525, 0.2744, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5090, 0.2559, 0.4354 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(22, 227, 156)` looks like.

```
.text, #text, p{  
    color:rgb(22, 227, 156)  
}
```

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(22, 227, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 227, 156) }
```

Border

The CSS property to change the border of an element to Yxy 57.5090, 0.2559, 0.4354 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(22, 227, 156) }
```

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

```
.border{ border-color:rgb(22, 227, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 227, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 227, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 227, 156);  
box-shadow:4px 4px 4px 4px rgb(22, 227,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5090, 0.2559, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 227, 156) }
```

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

```
.background{ background-color: rgb(22, 227,  
156) }
```

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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