

Converting Colors

Yxy(59.1352, 0.2575, 0.4087)

Have a look what the booklet for
Yxy(59.1352, 0.2575, 0.4087)
contains.

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Color

Yxy(59.1457, 0.2574, 0.4081)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 44E3AC |
| RGB | 68, 227, 172 |
| RGB Percent | 27%, 89%, 67% |
| CMY | 0.7329, 0.1098, 0.3255 |
| CMYK | 0.70, 0.00, 0.24, 0.11 |
| HSL | 159°, 74%, 58% |
| HSV | 159°, 70%, 89% |
| XYZ | 37.3048, 59.1457, 48.4789 |
| YIQ | 173.1890, -77.1090, -50.8130 |

Conversions

Conversions Part 2

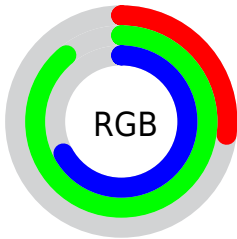
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 68, 164, 227 |
| Decimal | 4514732 |
| CIELab | 81.37, -53.62, 15.16 |
| CIELCh | 81, 55.725, 164.211 |
| Yxy | 59.1457, 0.2574, 0.4081 |
| Android (android.graphics.Color) | 4282704812 (0xFF44E3AC) |
| YUV | 173.1890, -0.5862, -92.2508 |
| Hunter-Lab | 76.9062, -48.0011, 16.4601 |

Details

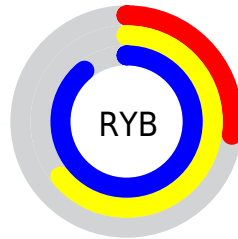
The Yxy color **59.1457, 0.2574, 0.4081** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.9111, 0.4650, 0.2729**, and the grayscale version is **41.9400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2169, 0.2624, 0.3618**, and **30.1055, 0.2519, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **58.1893, 0.2556, 0.4216**, and if you desaturate by 10%, it is **60.4406, 0.2612, 0.3948**.

Distribution



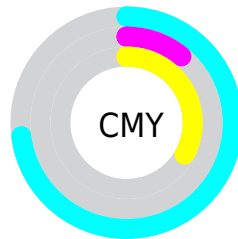
- Red (27%)
- Green (89%)
- Blue (67%)



- Red (27%)
- Yellow (64%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)



- Cyan (73%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1457, 0.2574, 0.4081 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 59.1457, 0.2574, 0.4081 by changing the saturation by 10% instead.

 59.1457, 0.2574,
0.4081


 59.1457, 0.2574,
0.4081


421.4416, 0.2848,
0.3682

 42.7304, 0.2507,
0.4181


 103.5894, 0.2673,
0.3935

 29.6737, 0.2421,
0.4311


 132.3866, 0.2710,
0.3881

 19.5910, 0.2309,
0.4483


 166.0799, 0.2742,
0.3835

 12.0981, 0.2156,
0.4723

 205.0537, 0.2769,
0.3795

 6.8105, 0.1935,
0.5078

249.6924, 0.2792,
0.3761

 3.3439, 0.1595,
0.5653

300.3803, 0.2813,

 1.3138, 0.0000,

0.3731

0.8088

357.5019, 0.2831,
0.3705

■ 0.1518, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1457, 0.2574,
0.4081

■ 59.1457, 0.2574,
0.4081

■ 58.1893, 0.2556,
0.4216

■ 60.4406, 0.2612,
0.3948

■ 57.5252, 0.2559,
0.4349


■ 62.0998, 0.2668,
0.3819


■ 57.0883, 0.2578,
0.4480


■ 64.1546, 0.2741,
0.3696


■ 57.0880, 0.2578,
0.4480

■ 66.6307, 0.2826,
0.3581

 69.5519, 0.2921,
0.3475

 72.9399, 0.3022,
0.3378

 76.8153, 0.3127,
0.3290

 81.1971, 0.3234,
0.3212

 82.6504, 0.3219,
0.3136

Harmonies

Analogous

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



59.1457, 0.3240, 0.4562



59.1457, 0.2574, 0.4081



59.1457, 0.2091, 0.3327

Triad

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



59.1457, 0.2574, 0.4081



59.1457, 0.2294, 0.2193



59.1457, 0.4552, 0.3646

Complementary

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



59.1457, 0.2574, 0.4081



21.9111, 0.4650, 0.2729

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.



59.1457, 0.4257, 0.3115



59.1457, 0.2574, 0.4081



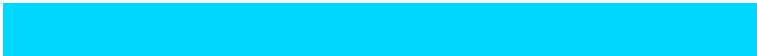
59.1457, 0.2879, 0.2323

Square

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



59.1457, 0.2574, 0.4081



59.1457, 0.1956, 0.2298



59.1457, 0.3612, 0.2649



59.1457, 0.4404, 0.4166

Rectangle

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



59.1457, 0.2574, 0.4081



59.1457, 0.1921, 0.2866



59.1457, 0.3612, 0.2649



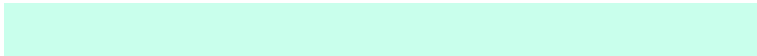
59.1457, 0.4503, 0.3466

Sweetspot

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



59.1480, 0.2574, 0.4081



90.0831, 0.2909, 0.3486



59.6196, 0.3300, 0.5349



19.0466, 0.2882, 0.3515



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.



59.1480, 0.2574, 0.4081



75.3176, 0.2555, 0.4277



49.5684, 0.2248, 0.2960



16.2472, 0.3027, 0.3373



33.3177, 0.2572, 0.4461



2.4794, 0.2519, 0.4269

Inverse Universe

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



21.9111, 0.4650, 0.2729



24.0686, 0.5147, 0.2746



24.3940, 0.5281, 0.3525



14.4500, 0.3238, 0.3209



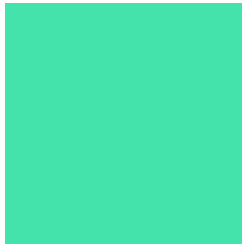
9.8697, 0.5586, 0.2851



0.7464, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 59.1457, 0.2574, 0.4081 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 59.1457, 0.2574, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

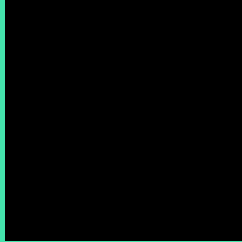
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

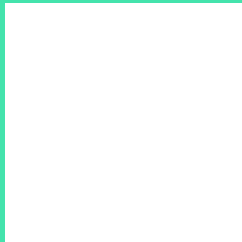
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1457, 0.2574, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 59.1457, 0.2574, 0.4081.

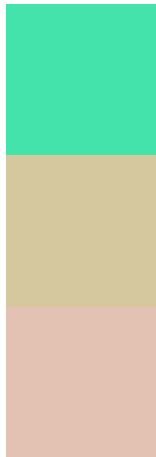


This preview shows how white text looks on a background with the Yxy color 59.1457, 0.2574, 0.4081.

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

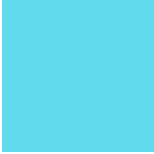
59.1457, 0.2574, 0.4081

Protanopia

57.9579, 0.3542, 0.3777

Deuteranopia

57.7255, 0.3520, 0.3450



Tritanopia

58.6857, 0.2345, 0.3056

Trichromacy



Original Color

59.1457, 0.2574, 0.4081



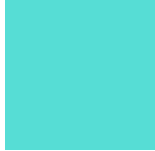
Protanomaly

56.2471, 0.3070, 0.3902



Deuteranomaly

55.2322, 0.3057, 0.3668



Tritanomaly

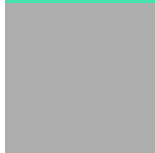
58.4954, 0.2421, 0.3396

Monochromacy



Original Color

59.1457, 0.2574, 0.4081



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.3080, 0.2828, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1457, 0.2574, 0.4081 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(68, 227, 172)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 172)  
}
```

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(68, 227, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 172) }
```

Border

The CSS property to change the border of an element to Yxy 59.1457, 0.2574, 0.4081 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(68, 227, 172) }
```

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

```
.border{ border-color:rgb(68, 227, 172) }
```

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

Here you see how a box with a 4 pixel rgb(68, 227, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 172);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1457, 0.2574, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 172) }
```

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

```
.background{ background-color: rgb(68, 227,  
172) }
```

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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