

Converting Colors

$Y_{xy}(59.2431, 0.2533, 0.4200)$

Have a look what the booklet for
Yxy(59.2431, 0.2533, 0.4200)
contains.

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Color

Yxy(59.2037, 0.2533, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	24E5A7
RGB	36, 229, 167
RGB Percent	14%, 90%, 65%
CMY	0.8587, 0.1019, 0.3451
CMYK	0.84, 0.00, 0.27, 0.10
HSL	161°, 79%, 52%
HSV	161°, 84%, 90%
XYZ	35.7225, 59.2037, 46.1022
YIQ	164.2250, -95.1260, -60.1980

Conversions

Conversions Part 2

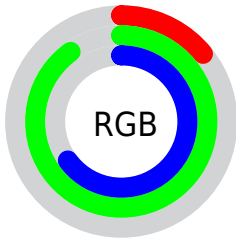
Format	Color
RYB	36, 151, 229
Decimal	2418087
CIELab	81.40, -59.01, 17.76
CIELCh	81, 61.624, 163.254
Yxy	59.2037, 0.2533, 0.4198
Android (android.graphics.Color)	4280608167 (0xFF24E5A7)
YUV	164.2250, 1.3681, -112.4533
Hunter-Lab	76.9439, -51.7804, 18.3362

Details

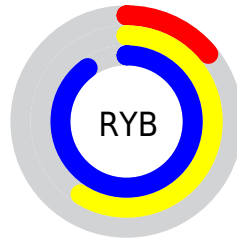
The Yxy color **59.2037, 0.2533, 0.4198** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **18.8056, 0.5223, 0.2794**, and the grayscale version is **37.2712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6455, 0.2579, 0.3686**, and **30.7429, 0.2557, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **58.6524, 0.2542, 0.4321**, and if you desaturate by 10%, it is **60.0382, 0.2544, 0.4074**.

Distribution



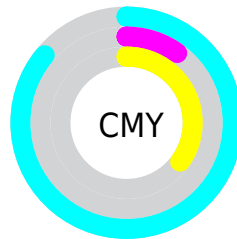
- Red (14%)
- Green (90%)
- Blue (65%)



- Red (14%)
- Yellow (59%)
- Blue (90%)



- Cyan (84%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)




- Cyan (86%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2037, 0.2533, 0.4198 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 59.2037, 0.2533, 0.4198 by changing the saturation by 10% instead.


 59.2037, 0.2533,
0.4198


 59.2037, 0.2533,
0.4198


421.6564, 0.2829,
0.3737


 42.7771, 0.2460,
0.4315


 103.6737, 0.2640,
0.4029


 29.7103, 0.2367,
0.4465


 132.4858, 0.2680,
0.3966


 19.6188, 0.2244,
0.4666


 166.1953, 0.2715,
0.3913

 12.1182, 0.2076,
0.4947

 205.1865, 0.2744,
0.3867

 6.8243, 0.1834,
0.5365

 249.8438, 0.2769,
0.3828

 3.3524, 0.1461,
0.6037

300.5517, 0.2792,

 1.3184, 0.0000,

0.3794

0.9082

357.6944, 0.2811,
0.3764

■ 0.1554, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.2037, 0.2533,
0.4198

■ 59.2037, 0.2533,
0.4198

■ 58.6524, 0.2542,
0.4321


■ 60.0382, 0.2544,
0.4074


■ 58.4208, 0.2553,
0.4390


■ 61.1927, 0.2576,
0.3950


■ 62.7053, 0.2627,
0.3830


■ 64.6071, 0.2695,
0.3714

 66.9256, 0.2777,
0.3604

 69.6859, 0.2871,
0.3502

 72.9109, 0.2973,
0.3409

 76.6220, 0.3080,
0.3324

 80.8393, 0.3191,
0.3247

Harmonies

Analogous

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



59.2037, 0.3262, 0.4717



59.2037, 0.2533, 0.4198



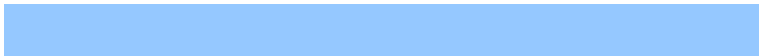
59.2037, 0.2004, 0.3349

Triad

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



59.2037, 0.2533, 0.4198



59.2037, 0.2200, 0.2096



59.2037, 0.4695, 0.3642

Complementary

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



59.2037, 0.2533, 0.4198



18.8056, 0.5223, 0.2794

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.



59.2037, 0.4358, 0.3072



59.2037, 0.2533, 0.4198



59.2037, 0.2826, 0.2231

Square

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



59.2037, 0.2533, 0.4198



59.2037, 0.1846, 0.2211



59.2037, 0.3633, 0.2576



59.2037, 0.4535, 0.4213

Rectangle

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



59.2037, 0.2533, 0.4198



59.2037, 0.1818, 0.2834



59.2037, 0.3633, 0.2576



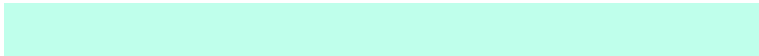
59.2037, 0.4638, 0.3448

Sweetspot

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



59.2060, 0.2533, 0.4198



88.5990, 0.2862, 0.3511



58.8979, 0.3240, 0.5674



18.6871, 0.2828, 0.3546



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.



59.2060, 0.2533, 0.4198



74.5395, 0.2555, 0.4397



45.8943, 0.2150, 0.2836



16.2535, 0.3024, 0.3367



33.4241, 0.2548, 0.4371



2.4867, 0.2498, 0.4193

Inverse Universe

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



18.8056, 0.5223, 0.2794



21.8683, 0.5735, 0.2933



20.9449, 0.5830, 0.3518



14.4439, 0.3242, 0.3215



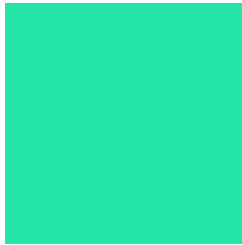
9.8232, 0.5679, 0.2902



0.7424, 0.5266, 0.2674

Previews

White Background



This preview shows how the Yxy color 59.2037, 0.2533, 0.4198 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 59.2037, 0.2533, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

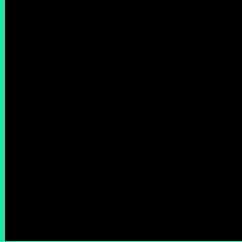
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

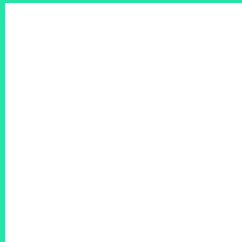
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2037, 0.2533, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 59.2037, 0.2533, 0.4198.



This preview shows how white text looks on a background with the Yxy color 59.2037, 0.2533, 0.4198.

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

59.2037, 0.2533, 0.4198

Protanopia

57.9046, 0.3597, 0.3847

Deuteranopia

57.8931, 0.3569, 0.3495



Tritanopia

59.1088, 0.2296, 0.3055

Trichromacy



Original Color

59.2037, 0.2533, 0.4198



Protanomaly

55.4467, 0.3030, 0.4013



Deuteranomaly

54.4921, 0.3010, 0.3744



Tritanomaly

58.6526, 0.2371, 0.3438

Monochromacy



Original Color

59.2037, 0.2533, 0.4198



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.4650, 0.2752, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2037, 0.2533, 0.4198 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(36, 229, 167)` looks like.

```
.text, #text, p{  
    color:rgb(36, 229, 167)  
}
```

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(36, 229, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 229, 167) }
```

Border

The CSS property to change the border of an element to Yxy 59.2037, 0.2533, 0.4198 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(36, 229, 167) }
```

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

```
.border{ border-color:rgb(36, 229, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 229, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 229, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 229, 167);  
box-shadow:4px 4px 4px 4px rgb(36, 229,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2037, 0.2533, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 229, 167) }
```

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

```
.background{ background-color: rgb(36, 229,  
167) }
```

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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