

Converting Colors

$Y_{xy}(59.1890, 0.2718, 0.4142)$

Have a look what the booklet for
Yxy(59.1890, 0.2718, 0.4142)
contains.

Yxy(59.2197, 0.2716, 0.4139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.2197, 0.2716, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	63E1A5
RGB	99, 225, 165
RGB Percent	39%, 88%, 65%
CMY	0.6120, 0.1176, 0.3528
CMYK	0.56, 0.00, 0.27, 0.12
HSL	151°, 68%, 64%
HSV	151°, 56%, 88%
XYZ	38.8598, 59.2197, 44.9978
YIQ	180.4860, -55.8360, -45.3720

Conversions

Conversions Part 2

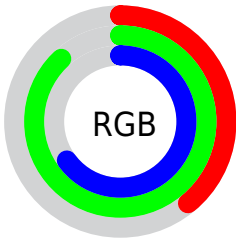
Format	Color
RYB	99, 182, 225
Decimal	6545829
CIELab	81.41, -48.78, 18.98
CIElCh	81, 52.343, 158.740
Yxy	59.2197, 0.2716, 0.4139
Android (android.graphics.Color)	4284735909 (0xFF63E1A5)
YUV	180.4860, -7.6346, -71.4632
Hunter-Lab	76.9543, -44.5326, 19.1992

Details

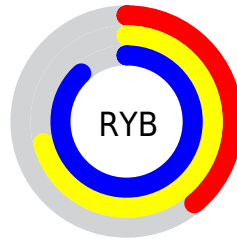
The Yxy color **59.2197, 0.2716, 0.4139** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **27.4207, 0.3976, 0.2611**, and the grayscale version is **45.9752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9564, 0.2761, 0.3693**, and **29.8012, 0.2596, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **57.7537, 0.2681, 0.4325**, and if you desaturate by 10%, it is **61.0760, 0.2767, 0.3960**.

Distribution



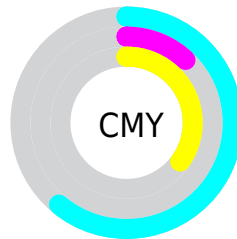
- Red (39%)
- Green (88%)
- Blue (65%)



- Red (39%)
- Yellow (71%)
- Blue (88%)



- Cyan (56%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)





- Cyan (61%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2197, 0.2716, 0.4139 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 59.2197, 0.2716, 0.4139 by changing the saturation by 10% instead.

 59.2197, 0.2716,
0.4139


 59.2197, 0.2716,
0.4139

421.7156, 0.2924,
0.3709

 42.7900, 0.2664,
0.4248


 103.6969, 0.2792,
0.3981

 29.7204, 0.2596,
0.4388


 132.5132, 0.2820,
0.3923

 19.6264, 0.2506,
0.4576


 166.2272, 0.2844,
0.3873

 12.1238, 0.2380,
0.4838

 205.2232, 0.2865,
0.3831

 6.8280, 0.2193,
0.5229

249.8856, 0.2883,
0.3794

 3.3548, 0.1891,
0.5864

300.5989, 0.2898,

 1.3196, 0.0073,

0.3762

0.9574

357.7474, 0.2912,
0.3734

■ 0.1563, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.2197, 0.2716,
0.4139

■ 59.2197, 0.2716,
0.4139

■ 57.7537, 0.2681,
0.4325

■ 61.0760, 0.2767,
0.3960

■ 56.6398, 0.2665,
0.4513


■ 63.3429, 0.2832,
0.3791

■ 55.8445, 0.2670,
0.4699

■ 66.0476, 0.2907,
0.3634


■ 55.3233, 0.2694,
0.4877


■ 69.2129, 0.2989,
0.3490

 55.1624, 0.2707,
0.4945

 72.8602, 0.3075,
0.3361

 77.0091, 0.3162,
0.3246

 81.4038, 0.3239,
0.3143

 82.0588, 0.3169,
0.3040

 82.3349, 0.3141,
0.2999

Harmonies

Analogous

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



59.2197, 0.3360, 0.4510



59.2197, 0.2716, 0.4139



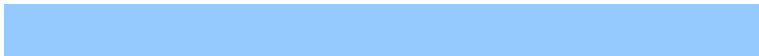
59.2197, 0.2216, 0.3458

Triad

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



59.2197, 0.2716, 0.4139



59.2197, 0.2264, 0.2251



59.2197, 0.4447, 0.3542

Complementary

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



59.2197, 0.2716, 0.4139



27.4207, 0.3976, 0.2611

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.



59.2197, 0.4096, 0.3041



59.2197, 0.2716, 0.4139



59.2197, 0.2781, 0.2335

Square

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



59.2197, 0.2716, 0.4139



59.2197, 0.1985, 0.2400



59.2197, 0.3457, 0.2616



59.2197, 0.4386, 0.4042

Rectangle

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



59.2197, 0.2716, 0.4139



59.2197, 0.2019, 0.3006



59.2197, 0.3457, 0.2616



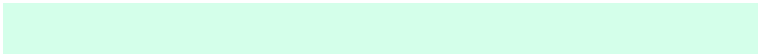
59.2197, 0.4374, 0.3371

Sweetspot

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



59.2221, 0.2716, 0.4139



91.4274, 0.2980, 0.3505



62.2149, 0.3427, 0.4885



19.3794, 0.2963, 0.3534



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.



59.2221, 0.2716, 0.4139



76.4573, 0.2678, 0.4352



60.8115, 0.2418, 0.3261



15.4567, 0.3045, 0.3404



31.8082, 0.2700, 0.4919



2.2228, 0.2624, 0.4647

Inverse Universe

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



27.4207, 0.3976, 0.2611



30.3558, 0.4251, 0.2518



26.2234, 0.4803, 0.3318



13.8086, 0.3218, 0.3179



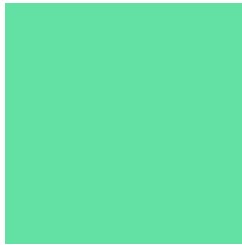
9.8596, 0.5055, 0.2558



0.7014, 0.4696, 0.2360

Previews

White Background



This preview shows how the Yxy color 59.2197, 0.2716, 0.4139 looks on a white background.

Color Contrast Check

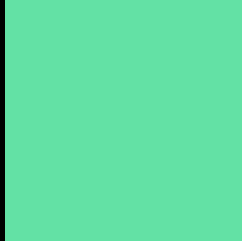
Large Text (above 18pt) WCAG AA × Fail

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 59.2197, 0.2716, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

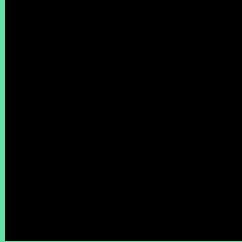
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.2197, 0.2716, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 59.2197, 0.2716, 0.4139.

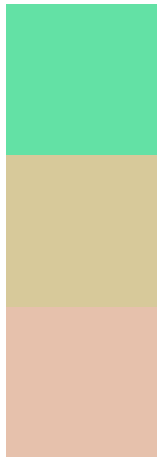


This preview shows how white text looks on a background with the Yxy color 59.2197, 0.2716, 0.4139.

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

59.2197, 0.2716, 0.4139

Protanopia

58.5535, 0.3595, 0.3845

Deuteranopia

57.9415, 0.3603, 0.3529



Tritanopia

59.0453, 0.2444, 0.3060

Trichromacy



Original Color

59.2197, 0.2716, 0.4139



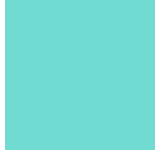
Protanomaly

57.4460, 0.3206, 0.3965



Deuteranomaly

56.4723, 0.3205, 0.3749



Tritanomaly

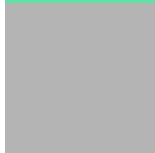
58.7112, 0.2536, 0.3422

Monochromacy



Original Color

59.2197, 0.2716, 0.4139



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.1543, 0.2930, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2197, 0.2716, 0.4139 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(99, 225, 165)` looks like.

```
.text, #text, p{  
    color:rgb(99, 225, 165)  
}
```

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(99, 225, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 225, 165) }
```

Border

The CSS property to change the border of an element to Yxy 59.2197, 0.2716, 0.4139 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(99, 225, 165) }
```

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

```
.border{ border-color:rgb(99, 225, 165) }
```

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

Here you see how a box with a 4 pixel rgb(99, 225, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 225, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 225, 165);  
box-shadow:4px 4px 4px 4px rgb(99, 225,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2197, 0.2716, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 225, 165) }
```

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

```
.background{ background-color: rgb(99, 225,  
165) }
```

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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