

Converting Colors

$Yxy(59.1749, 0.2507, 0.4206)$

Have a look what the booklet for
Yxy(59.1749, 0.2507, 0.4206)
contains.

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Color

Yxy(59.4417, 0.2510, 0.4216)

Conversions

Conversions Part 1

Format	Color
Hex	0AE6A7
RGB	10, 230, 167
RGB Percent	4%, 90%, 65%
CMY	0.9624, 0.0980, 0.3451
CMYK	0.96, 0.00, 0.27, 0.10
HSL	163°, 92%, 47%
HSV	163°, 96%, 90%
XYZ	35.3887, 59.4417, 46.1604
YIQ	157.0380, -110.8970, -66.2330

Conversions

Conversions Part 2

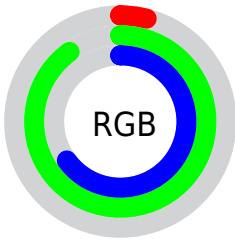
Format	Color
RYB	10, 138, 230
Decimal	714407
CIELab	81.53, -60.70, 17.92
CIELCh	82, 63.289, 163.555
Yxy	59.4417, 0.2510, 0.4216
Android (android.graphics.Color)	4278904487 (0xFF0AE6A7)
YUV	157.0380, 4.9113, -128.9523
Hunter-Lab	77.0984, -52.9896, 18.4708

Details

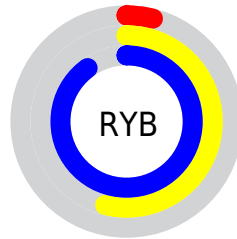
The Yxy color **59.4417, 0.2510, 0.4216** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.5068, 0.5725, 0.2954**, and the grayscale version is **33.6907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1734, 0.2554, 0.3689**, and **31.1249, 0.2561, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **59.2818, 0.2517, 0.4261**, and if you desaturate by 10%, it is **59.9482, 0.2502, 0.4108**.

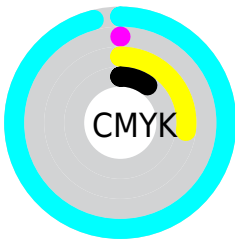
Distribution



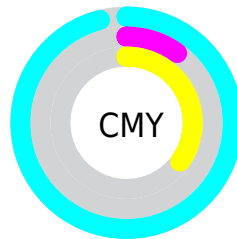
- Red (4%)
- Green (90%)
- Blue (65%)



- Red (4%)
- Yellow (54%)
- Blue (90%)



- Cyan (96%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)




- Cyan (96%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4417, 0.2510, 0.4216 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 59.4417, 0.2510, 0.4216 by changing the saturation by 10% instead.

 59.4417, 0.2510,
0.4216


 59.4417, 0.2510,
0.4216

422.5368, 0.2817,
0.3746

 42.9688, 0.2434,
0.4335

 104.0194, 0.2621,
0.4044


 29.8606, 0.2338,
0.4488


 132.8929, 0.2663,
0.3980

 19.7328, 0.2212,
0.4693


 166.6688, 0.2698,
0.3925

 12.2010, 0.2039,
0.4979

 205.7313, 0.2729,
0.3879

 6.8807, 0.1790,
0.5403

 250.4650, 0.2755,
0.3839

 3.3876, 0.1409,
0.6086

301.2543, 0.2778,

 1.3373, 0.0000,

0.3804

0.9067

358.4834, 0.2799,
0.3773

■ 0.1698, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4417, 0.2510,
0.4216

■ 59.4417, 0.2510,
0.4216

■ 59.2818, 0.2517,
0.4261

■ 59.9482, 0.2502,
0.4108

■ 60.7226, 0.2513,
0.3999

■ 61.8131, 0.2544,
0.3890

■ 63.2568, 0.2595,
0.3784

■ 65.0858, 0.2664,
0.3681

■ 67.3282, 0.2748,
0.3583

■ 70.0097, 0.2844,
0.3492

■ 73.1537, 0.2949,
0.3408

■ 76.7820, 0.3060,
0.3331

Harmonies

Analogous

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



59.4417, 0.3254, 0.4755



59.4417, 0.2510, 0.4216



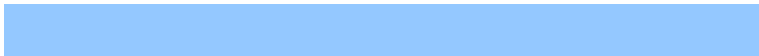
59.4417, 0.1975, 0.3340

Triad

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



59.4417, 0.2510, 0.4216



59.4417, 0.2184, 0.2071



59.4417, 0.4734, 0.3651

Complementary

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



59.4417, 0.2510, 0.4216



17.5068, 0.5725, 0.2954

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.



59.4417, 0.4396, 0.3070



59.4417, 0.2510, 0.4216



59.4417, 0.2826, 0.2211

Square

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



59.4417, 0.2510, 0.4216



59.4417, 0.1822, 0.2184



59.4417, 0.3653, 0.2564



59.4417, 0.4562, 0.4235

Rectangle

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



59.4417, 0.2510, 0.4216



59.4417, 0.1788, 0.2813



59.4417, 0.3653, 0.2564



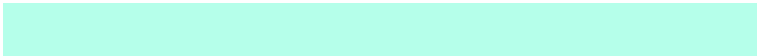
59.4417, 0.4679, 0.3453

Sweetspot

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



59.4440, 0.2510, 0.4216



87.2822, 0.2810, 0.3522



58.1385, 0.3153, 0.5855



18.3734, 0.2769, 0.3561



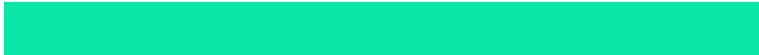
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.4440, 0.2510, 0.4216



74.9015, 0.2519, 0.4267



40.8579, 0.2076, 0.2655



16.2624, 0.3019, 0.3358



33.5847, 0.2512, 0.4244



2.4976, 0.2469, 0.4087

Inverse Universe

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



17.5068, 0.5725, 0.2954



21.7397, 0.5860, 0.3002



19.4519, 0.6104, 0.3494



14.4354, 0.3248, 0.3223



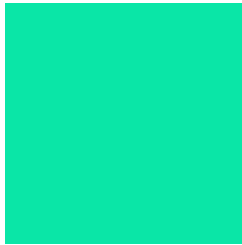
9.7635, 0.5806, 0.2972



0.7371, 0.5389, 0.2742

Previews

White Background



This preview shows how the Yxy color 59.4417, 0.2510, 0.4216 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 59.4417, 0.2510, 0.4216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

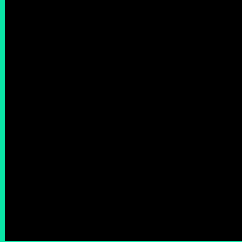
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.4417, 0.2510, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 59.4417, 0.2510, 0.4216.

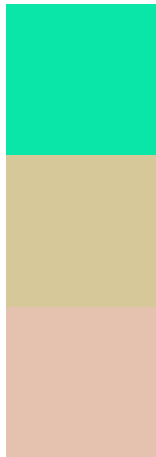


This preview shows how white text looks on a background with the Yxy color 59.4417, 0.2510, 0.4216.

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

59.4482, 0.2510, 0.4216

Protanopia

58.0555, 0.3606, 0.3846

Deuteranopia

57.8931, 0.3569, 0.3495



Tritanopia

59.4814, 0.2281, 0.3055

Trichromacy



Original Color

59.4482, 0.2510, 0.4216



Protanomaly

54.6326, 0.2969, 0.4026



Deuteranomaly

53.5107, 0.2940, 0.3753



Tritanomaly

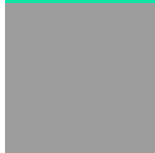
58.8455, 0.2342, 0.3439

Monochromacy



Original Color

59.4482, 0.2510, 0.4216



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.7378, 0.2682, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4417, 0.2510, 0.4216 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(10, 230, 167)` looks like.

```
.text, #text, p{  
    color:rgb(10, 230, 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(10, 230, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 230, 167) }
```

Border

The CSS property to change the border of an element to Yxy 59.4417, 0.2510, 0.4216 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(10, 230, 167) }
```

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

```
.border{ border-color:rgb(10, 230, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 230, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 230, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 230, 167);  
box-shadow:4px 4px 4px 4px rgb(10, 230,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4417, 0.2510, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 230, 167) }
```

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

```
.background{ background-color: rgb(10, 230,  
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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