

Converting Colors

$Yxy(58.6108, 0.2527, 0.4266)$

Have a look what the booklet for
Yxy(58.6108, 0.2527, 0.4266)
contains.

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Color

Yxy(58.7763, 0.2527, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	0EE5A3
RGB	14, 229, 163
RGB Percent	5%, 90%, 64%
CMY	0.9460, 0.1019, 0.3608
CMYK	0.94, 0.00, 0.29, 0.10
HSL	162°, 89%, 48%
HSV	162°, 94%, 90%
XYZ	34.8085, 58.7763, 44.1614
YIQ	157.1910, -106.9540, -66.1060

Conversions

Conversions Part 2

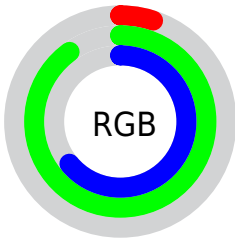
Format	Color
RYB	14, 141, 229
Decimal	976291
CIELab	81.17, -61.10, 19.49
CIELCh	81, 64.135, 162.311
Yxy	58.7763, 0.2527, 0.4267
Android (android.graphics.Color)	4279166371 (0xFF0EE5A3)
YUV	157.1910, 2.8638, -125.5785
Hunter-Lab	76.6657, -53.1208, 19.5134

Details

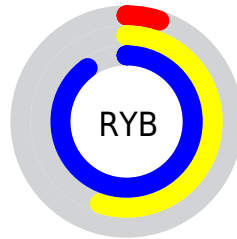
The Yxy color **58.7763, 0.2527, 0.4267** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.5429, 0.5596, 0.2895**, and the grayscale version is **33.7993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9615, 0.2571, 0.3740**, and **30.6527, 0.2580, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **58.5382, 0.2538, 0.4336**, and if you desaturate by 10%, it is **59.3331, 0.2520, 0.4150**.

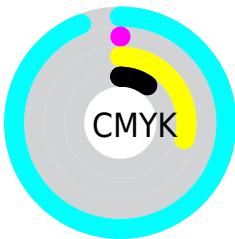
Distribution



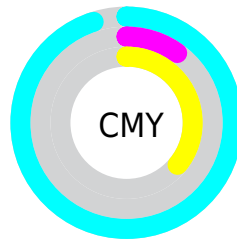
- Red (5%)
- Green (90%)
- Blue (64%)



- Red (5%)
- Yellow (55%)
- Blue (90%)



- Cyan (94%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)




- Cyan (95%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7763, 0.2527, 0.4267 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 58.7763, 0.2527, 0.4267 by changing the saturation by 10% instead.


 58.7763, 0.2527,
0.4267

 58.7763, 0.2527,
0.4267


420.0724, 0.2828,
0.3768

 42.4331, 0.2452,
0.4394


 103.0525, 0.2636,
0.4084


 29.4405, 0.2356,
0.4558


 131.7542, 0.2677,
0.4016

 19.4143, 0.2230,
0.4777


 165.3442, 0.2712,
0.3958

 11.9700, 0.2056,
0.5085

 204.2069, 0.2742,
0.3909

 6.7233, 0.1803,
0.5543

 248.7267, 0.2768,
0.3867

 3.2897, 0.1406,
0.6287

299.2879, 0.2790,

 1.2848, 0.0000,

0.3830

1.0000

356.2750, 0.2810,
0.3797

■ 0.1294, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7763, 0.2527,
0.4267

■ 58.7763, 0.2527,
0.4267

■ 58.5382, 0.2538,
0.4336

■ 59.3331, 0.2520,
0.4150

■ 60.1662, 0.2533,
0.4032

■ 61.3213, 0.2567,
0.3915

■ 62.8341, 0.2619,
0.3801

■ 64.7355, 0.2689,
0.3690

■ 67.0530, 0.2773,
0.3586

■ 69.8114, 0.2869,
0.3490

■ 73.0336, 0.2973,
0.3401

■ 76.7411, 0.3083,
0.3320

Harmonies

Analogous

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



58.7763, 0.3286, 0.4792



58.7763, 0.2527, 0.4267



58.7763, 0.1973, 0.3376

Triad

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



58.7763, 0.2527, 0.4267



58.7763, 0.2149, 0.2053



58.7763, 0.4757, 0.3628

Complementary

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



58.7763, 0.2527, 0.4267



17.5429, 0.5596, 0.2895

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.



58.7763, 0.4393, 0.3042



58.7763, 0.2527, 0.4267



58.7763, 0.2788, 0.2185

Square

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



58.7763, 0.2527, 0.4267



58.7763, 0.1794, 0.2178



58.7763, 0.3625, 0.2535



58.7763, 0.4599, 0.4222

Rectangle

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



58.7763, 0.2527, 0.4267



58.7763, 0.1776, 0.2832



58.7763, 0.3625, 0.2535



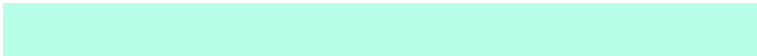
58.7763, 0.4694, 0.3428

Sweetspot

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



58.7786, 0.2527, 0.4267



87.5502, 0.2828, 0.3529



57.8643, 0.3178, 0.5824



18.4196, 0.2787, 0.3572



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.



58.7786, 0.2527, 0.4267



74.6865, 0.2540, 0.4343



42.3799, 0.2097, 0.2723



16.2572, 0.3022, 0.3363



33.4894, 0.2533, 0.4318



2.4912, 0.2486, 0.4149

Inverse Universe

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



17.5429, 0.5596, 0.2895



21.8129, 0.5788, 0.2962



19.2574, 0.6092, 0.3483



14.4404, 0.3244, 0.3218



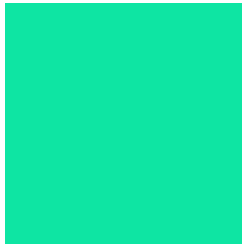
9.7976, 0.5733, 0.2932



0.7401, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 58.7763, 0.2527, 0.4267 looks on a white background.

Color Contrast Check

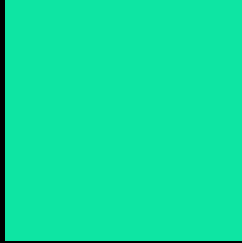
Large Text (above 18pt) WCAG AA × Fail

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 58.7763, 0.2527, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

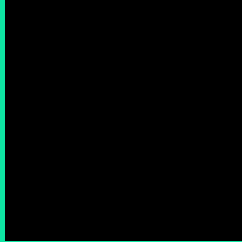
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7763, 0.2527, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 58.7763, 0.2527, 0.4267.

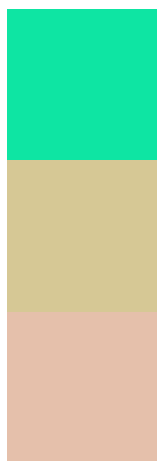


This preview shows how white text looks on a background with the Yxy color 58.7763, 0.2527, 0.4267.

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

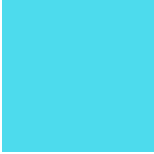
58.7763, 0.2527, 0.4267

Protanopia

57.7746, 0.3628, 0.3895

Deuteranopia

57.2976, 0.3605, 0.3530



Tritanopia

58.3552, 0.2285, 0.3053

Trichromacy



Original Color

58.7763, 0.2527, 0.4267



Protanomaly

54.5843, 0.3000, 0.4083



Deuteranomaly

53.0691, 0.2980, 0.3795



Tritanomaly

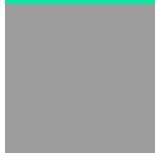
58.2128, 0.2355, 0.3468

Monochromacy



Original Color

58.7763, 0.2527, 0.4267



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.3734, 0.2705, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7763, 0.2527, 0.4267 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(14, 229, 163)` looks like.

```
.text, #text, p{  
    color:rgb(14, 229, 163)  
}
```

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(14, 229, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 229, 163) }
```

Border

The CSS property to change the border of an element to Yxy 58.7763, 0.2527, 0.4267 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(14, 229, 163) }
```

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

```
.border{ border-color:rgb(14, 229, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 229, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(14, 229, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(14, 229, 163); box-shadow:4px 4px 4px 4px rgb(14, 229, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7763, 0.2527, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 229, 163) }
```

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

```
.background{ background-color: rgb(14, 229,  
163) }
```

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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