

Converting Colors

$Y_{xy}(61.6620, 0.2592, 0.4479)$

Have a look what the booklet for
Yxy(61.6620, 0.2592, 0.4479)
contains.

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Color

Yxy(61.8760, 0.2595, 0.4489)

Conversions

Conversions Part 1

Format	Color
Hex	15EB99
RGB	21, 235, 153
RGB Percent	8%, 92%, 60%
CMY	0.9171, 0.0784, 0.4000
CMYK	0.91, 0.00, 0.35, 0.08
HSL	157°, 84%, 50%
HSV	157°, 91%, 92%
XYZ	35.7693, 61.8760, 40.1939
YIQ	161.6660, -101.2220, -70.8700

Conversions

Conversions Part 2

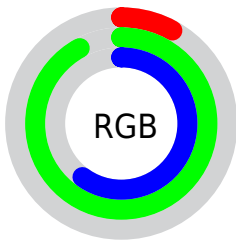
Format	Color
R _Y B	21, 153, 235
Decimal	1436569
CIE Lab	82.85, -65.08, 26.96
CIE LCh	83, 70.439, 157.500
Yxy	61.8760, 0.2595, 0.4489
Android (android.graphics.Color)	4279626649 (0xFF15EB99)
YUV	161.6660, -4.2723, -123.3641
Hunter-Lab	78.6613, -56.4889, 24.7672

Details

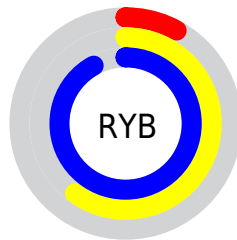
The Yxy color **61.8760, 0.2595, 0.4489** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **19.1864, 0.5224, 0.2710**, and the grayscale version is **36.0443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6515, 0.2626, 0.3868**, and **32.7804, 0.2658, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **61.4585, 0.2617, 0.4619**, and if you desaturate by 10%, it is **62.5764, 0.2587, 0.4340**.

Distribution



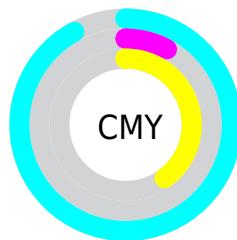
- Red (8%)
- Green (92%)
- Blue (60%)



- Red (8%)
- Yellow (60%)
- Blue (92%)



- Cyan (91%)
- Magenta (0%)
- Yellow (35%)
- Black (8%)




- Cyan (92%)
- Magenta (8%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8760, 0.2595, 0.4489 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 61.8760, 0.2595, 0.4489 by changing the saturation by 10% instead.


 61.8760, 0.2595,
0.4489


 61.8760, 0.2595,
0.4489


431.4786, 0.2869,
0.3875

 44.9325, 0.2525,
0.4645


 107.5463, 0.2696,
0.4264


 31.4043, 0.2435,
0.4846


 137.0419, 0.2733,
0.4180

 20.9069, 0.2313,
0.5115


 171.4903, 0.2765,
0.4109

 13.0560, 0.2144,
0.5489

 211.2760, 0.2792,
0.4048

 7.4671, 0.1893,
0.6040

 256.7832, 0.2815,
0.3996

 3.7559, 0.1499,
0.6903

308.3965, 0.2835,

 1.5380, 0.0000,

0.3951

1.0000

366.5002, 0.2853,
0.3911

■ 0.3152, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.8760, 0.2595,
0.4489

■ 61.8760, 0.2595,
0.4489


■ 61.4585, 0.2617,
0.4619

■ 62.5764, 0.2587,
0.4340

■ 63.5928, 0.2599,
0.4190


■ 64.9713, 0.2632,
0.4040


■ 66.7483, 0.2684,
0.3895

 68.9559, 0.2751,
0.3757

 71.6225, 0.2831,
0.3627

 74.7743, 0.2921,
0.3507

 78.4353, 0.3017,
0.3398

 82.6280, 0.3117,
0.3299

Harmonies

Analogous

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



61.8760, 0.3419, 0.4946



61.8760, 0.2595, 0.4489



61.8760, 0.1963, 0.3533

Triad

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



61.8760, 0.2595, 0.4489



61.8760, 0.2001, 0.1975



61.8760, 0.4857, 0.3531

Complementary

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



61.8760, 0.2595, 0.4489



19.1864, 0.5224, 0.2710

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.



61.8760, 0.4381, 0.2923



61.8760, 0.2595, 0.4489



61.8760, 0.2631, 0.2076

Square

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



61.8760, 0.2595, 0.4489



61.8760, 0.1679, 0.2149



61.8760, 0.3510, 0.2411



61.8760, 0.4761, 0.4167

Rectangle

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



61.8760, 0.2595, 0.4489



61.8760, 0.1722, 0.2916



61.8760, 0.3510, 0.2411



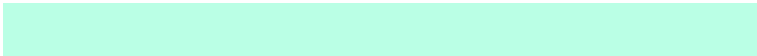
61.8760, 0.4761, 0.3323

Sweetspot

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



61.8785, 0.2595, 0.4489



87.6127, 0.2865, 0.3579



62.5787, 0.3280, 0.5723



18.4867, 0.2835, 0.3621



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.



61.8785, 0.2595, 0.4489



73.9619, 0.2618, 0.4626



54.0582, 0.2178, 0.2999



17.0183, 0.3032, 0.3382



34.2297, 0.2610, 0.4596



2.7065, 0.2554, 0.4394

Inverse Universe

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



19.1864, 0.5224, 0.2710



22.1377, 0.5494, 0.2800



19.4110, 0.6155, 0.3390



15.1496, 0.3233, 0.3200



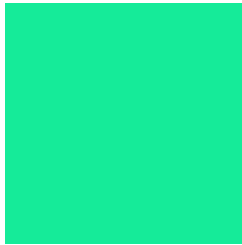
10.2647, 0.5442, 0.2771



0.8243, 0.5068, 0.2566

Previews

White Background



This preview shows how the Yxy color 61.8760, 0.2595, 0.4489 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 61.8760, 0.2595, 0.4489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

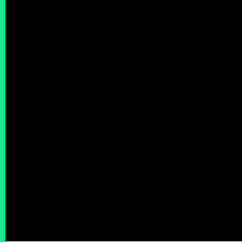
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.8760, 0.2595, 0.4489

Background



This preview shows how black text looks on a background with the Yxy color 61.8760, 0.2595, 0.4489.

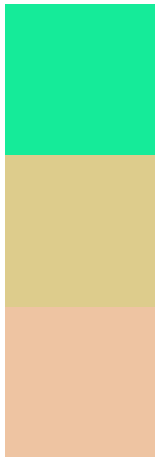


This preview shows how white text looks on a background with the Yxy color 61.8760, 0.2595, 0.4489.

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

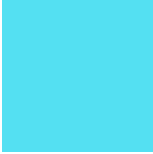
61.8760, 0.2595, 0.4489

Protanopia

60.4513, 0.3740, 0.4027

Deuteranopia

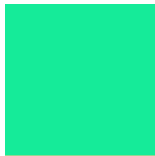
60.2656, 0.3743, 0.3667



Tritanopia

61.6069, 0.2301, 0.3059

Trichromacy



Original Color

61.8760, 0.2595, 0.4489



Protanomaly

56.9411, 0.3103, 0.4245



Deuteranomaly

55.9673, 0.3095, 0.3973



Tritanomaly

61.1320, 0.2387, 0.3533

Monochromacy



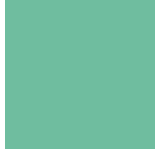
Original Color

61.8760, 0.2595, 0.4489



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

42.2779, 0.2754, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8760, 0.2595, 0.4489 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(21, 235, 153)` looks like.

```
.text, #text, p{  
    color:rgb(21, 235, 153)  
}
```

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(21, 235, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 235, 153) }
```

Border

The CSS property to change the border of an element to Yxy 61.8760, 0.2595, 0.4489 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(21, 235, 153) }
```

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

```
.border{ border-color:rgb(21, 235, 153) }
```

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

Here you see how a box with a 4 pixel rgb(21, 235, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 235, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 235, 153);  
box-shadow:4px 4px 4px 4px rgb(21, 235,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8760, 0.2595, 0.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 235, 153) }
```

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

```
.background{ background-color: rgb(21, 235,  
153) }
```

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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