

Converting Colors

$Yxy(61.1201, 0.2514, 0.4607)$

Have a look what the booklet for
Yxy(61.1201, 0.2514, 0.4607)
contains.

Yxy(62.1290, 0.2606, 0.4581)	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(62.1290, 0.2606, 0.4581)

Conversions

Conversions Part 1

Format	Color
Hex	00EC94
RGB	0, 236, 148
RGB Percent	0%, 93%, 58%
CMY	0.9991, 0.0745, 0.4196
CMYK	1.00, 0.00, 0.37, 0.07
HSL	158°, 100%, 46%
HSV	158°, 100%, 93%
XYZ	35.3434, 62.1290, 38.1508
YIQ	155.4040, -112.4080, -77.4000

Conversions

Conversions Part 2

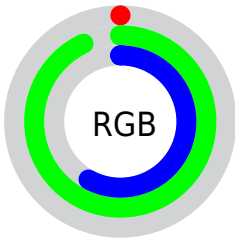
Format	Color
RYB	0, 145, 236
Decimal	60564
CIELab	82.98, -67.10, 29.66
CIELCh	83, 73.360, 156.151
Yxy	62.1290, 0.2606, 0.4581
Android (android.graphics.Color)	4278250644 (0xFF00EC94)
YUV	155.4040, -3.6502, -136.2893
Hunter-Lab	78.8220, -57.8998, 26.4783

Details

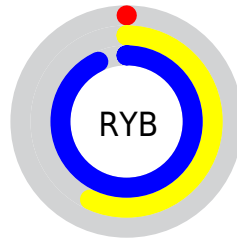
The Yxy color **62.1290, 0.2606, 0.4581** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.5464, 0.5522, 0.2816**, and the grayscale version is **33.0544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1468, 0.2634, 0.3936**, and **33.0847, 0.2689, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **62.1272, 0.2606, 0.4582**, and if you desaturate by 10%, it is **62.6118, 0.2584, 0.4439**.

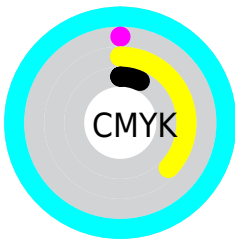
Distribution



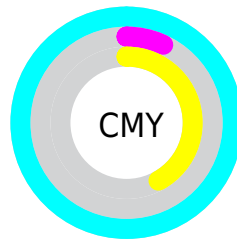
- Red (0%)
- Green (93%)
- Blue (58%)



- Red (0%)
- Yellow (57%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1290, 0.2606, 0.4581 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 62.1290, 0.2606, 0.4581 by changing the saturation by 10% instead.


 62.1290, 0.2606,
0.4581


 62.1290, 0.2606,
0.4581

432.4015, 0.2878,
0.3918


 45.1369, 0.2536,
0.4750


 107.9120, 0.2707,
0.4337


 31.5653, 0.2444,
0.4968


 137.4716, 0.2744,
0.4246

 21.0297, 0.2320,
0.5258


 171.9893, 0.2775,
0.4170

 13.1457, 0.2146,
0.5662

 211.8494, 0.2802,
0.4105

 7.5290, 0.1887,
0.6253

 257.4362, 0.2825,
0.4049

 3.7951, 0.1480,
0.7199

309.1343, 0.2845,

 1.5596, 0.0000,

0.4000

1.0000

367.3279, 0.2862,
0.3956

■ 0.3301, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.1290, 0.2606,
0.4581

■ 62.1290, 0.2606,
0.4581

■ 62.1272, 0.2606,
0.4582

■ 62.6118, 0.2584,
0.4439

■ 63.3457, 0.2579,
0.4295

■ 64.4054, 0.2594,
0.4148

■ 65.8339, 0.2630,
0.4003

■ 67.6676, 0.2684,
0.3863

■ 69.9382, 0.2754,
0.3729

■ 72.6742, 0.2837,
0.3604

■ 75.9017, 0.2928,
0.3489

■ 79.6449, 0.3026,
0.3384

Harmonies

Analogous

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



62.1290, 0.3461, 0.5018



62.1290, 0.2606, 0.4581



62.1290, 0.1943, 0.3587

Triad

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



62.1290, 0.2606, 0.4581



62.1290, 0.1942, 0.1934



62.1290, 0.4914, 0.3501

Complementary

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



62.1290, 0.2606, 0.4581



18.5464, 0.5522, 0.2816

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.



62.1290, 0.4396, 0.2881



62.1290, 0.2606, 0.4581



62.1290, 0.2575, 0.2028

Square

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



62.1290, 0.2606, 0.4581



62.1290, 0.1626, 0.2123



62.1290, 0.3479, 0.2362



62.1290, 0.4833, 0.4156

Rectangle

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



62.1290, 0.2606, 0.4581



62.1290, 0.1687, 0.2935



62.1290, 0.3479, 0.2362



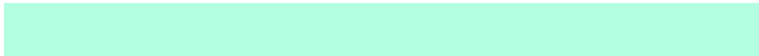
62.1290, 0.4806, 0.3288

Sweetspot

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



62.1315, 0.2606, 0.4581



86.5600, 0.2835, 0.3607



62.1964, 0.3213, 0.5830



18.2180, 0.2798, 0.3659



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.



62.1315, 0.2606, 0.4581



74.0523, 0.2608, 0.4588



51.4112, 0.2143, 0.2913



17.0210, 0.3031, 0.3379



34.2712, 0.2600, 0.4560



2.7096, 0.2545, 0.4363

Inverse Universe

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



18.5464, 0.5522, 0.2816



22.0892, 0.5535, 0.2823



18.6519, 0.6316, 0.3366



15.1470, 0.3234, 0.3202



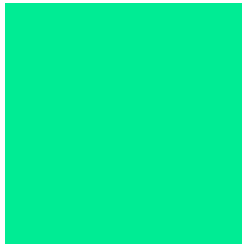
10.2419, 0.5483, 0.2794



0.8223, 0.5105, 0.2586

Previews

White Background



This preview shows how the Yxy color 62.1290, 0.2606, 0.4581 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 62.1290, 0.2606, 0.4581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

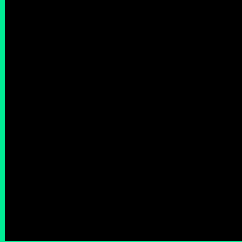
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1290, 0.2606, 0.4581

Background



This preview shows how black text looks on a background with the Yxy color 62.1290, 0.2606, 0.4581.

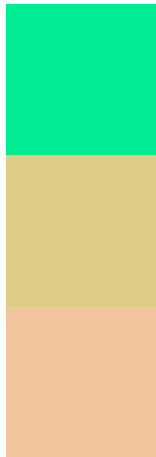


This preview shows how white text looks on a background with the Yxy color 62.1290, 0.2606, 0.4581.

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

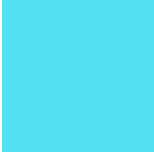
62.1290, 0.2606, 0.4581

Protanopia

60.9415, 0.3781, 0.4090

Deuteranopia

60.4394, 0.3800, 0.3719



Tritanopia

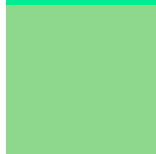
62.2063, 0.2300, 0.3060

Trichromacy



Original Color

62.1290, 0.2606, 0.4581



Protanomaly

56.6679, 0.3085, 0.4340



Deuteranomaly

55.6939, 0.3084, 0.4064



Tritanomaly

61.3770, 0.2384, 0.3575

Monochromacy



Original Color

62.1290, 0.2606, 0.4581



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.2006, 0.2715, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1290, 0.2606, 0.4581 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(0, 236, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 148)  
}
```

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(0, 236, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 148) }
```

Border

The CSS property to change the border of an element to Yxy 62.1290, 0.2606, 0.4581 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(0, 236, 148) }
```

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

```
.border{ border-color:rgb(0, 236, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1290, 0.2606, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 148) }
```

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

```
.background{ background-color: rgb(0, 236,  
148) }
```

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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