

Converting Colors

$Yxy(66.2519, 0.2699, 0.4710)$

Have a look what the booklet for
Yxy(66.2519, 0.2699, 0.4710)
contains.

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Color

Yxy(66.1102, 0.2700, 0.4710)

Conversions

Conversions Part 1

Format	Color
Hex	31F28E
RGB	49, 242, 142
RGB Percent	19%, 95%, 56%
CMY	0.8082, 0.0509, 0.4431
CMYK	0.80, 0.00, 0.41, 0.05
HSL	149°, 88%, 57%
HSV	149°, 80%, 95%
XYZ	37.8976, 66.1102, 36.3536
YIQ	172.8930, -82.9280, -72.0160

Conversions

Conversions Part 2

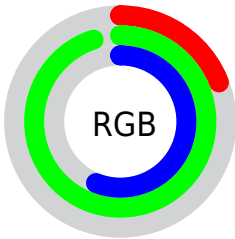
Format	Color
RYB	49, 179, 242
Decimal	3273358
CIELab	85.05, -67.56, 35.48
CIELCh	85, 76.311, 152.293
Yxy	66.1102, 0.2700, 0.4710
Android (android.graphics.Color)	4281463438 (0xFF31F28E)
YUV	172.8930, -15.2302, -108.6542
Hunter-Lab	81.3082, -59.0908, 30.4067

Details

The Yxy color **66.1102, 0.2700, 0.4710** 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 **23.2346, 0.4448, 0.2396**, and the grayscale version is **41.8297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9868, 0.2725, 0.4003**, and **35.0192, 0.2734, 0.5043** is the 20% darker color. If you saturate the color by 10%, you get **65.3096, 0.2716, 0.4907**, and if you desaturate by 10%, it is **67.2808, 0.2705, 0.4505**.

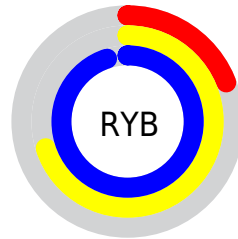
Distribution



Red (19%)

Green (95%)

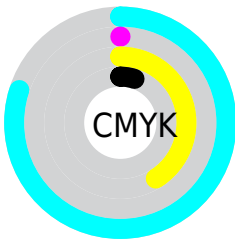
Blue (56%)



Red (19%)

Yellow (70%)

Blue (95%)

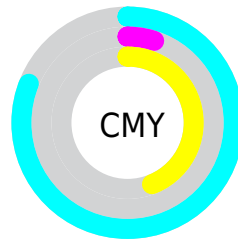


Cyan (80%)

Magenta (0%)

Yellow (41%)

Black (5%)



Cyan (81%)


Magenta (5%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1102, 0.2700, 0.4710 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 66.1102, 0.2700, 0.4710 by changing the saturation by 10% instead.


 66.1102, 0.2700,
0.4710


 66.1102, 0.2700,
0.4710


446.7709, 0.2931,
0.3986


 48.3619, 0.2638,
0.4892

 113.6445, 0.2787,
0.4445


 34.1135, 0.2557,
0.5125


 144.1992, 0.2819,
0.4346

 22.9808, 0.2445,
0.5434


 179.7916, 0.2845,
0.4263

 14.5794, 0.2286,
0.5856

 220.8059, 0.2868,
0.4191

 8.5247, 0.2043,
0.6460

267.6266, 0.2887,
0.4129

 4.4325, 0.1668,
0.7428

320.6380, 0.2903,

 1.9183, 0.0000,

0.4076

1.0000

380.2247, 0.2918,
0.4028

■ 0.5594, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1102, 0.2700,
0.4710

■ 66.1102, 0.2700,
0.4710

■ 65.3096, 0.2716,
0.4907

■ 67.2808, 0.2705,
0.4505


■ 64.7953, 0.2748,
0.5093


■ 68.8601, 0.2729,
0.4300


■ 64.7859, 0.2749,
0.5096

■ 70.8901, 0.2771,
0.4099

■ 73.4054, 0.2827,
0.3908

 76.4370, 0.2894,
0.3730

 80.0135, 0.2968,
0.3567

 84.1611, 0.3047,
0.3419

 88.9043, 0.3129,
0.3287

 91.9765, 0.3134,
0.3167

Harmonies

Analogous

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



66.1102, 0.3575, 0.5051



66.1102, 0.2700, 0.4710



66.1102, 0.1991, 0.3730

Triad

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



66.1102, 0.2700, 0.4710



66.1102, 0.1864, 0.1921



66.1102, 0.4913, 0.3416

Complementary

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



66.1102, 0.2700, 0.4710



23.2346, 0.4448, 0.2396

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.



66.1102, 0.4314, 0.2797



66.1102, 0.2700, 0.4710



66.1102, 0.2464, 0.1982

Square

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



66.1102, 0.2700, 0.4710



66.1102, 0.1585, 0.2152



66.1102, 0.3357, 0.2292



66.1102, 0.4903, 0.4078

Rectangle

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



66.1102, 0.2700, 0.4710



66.1102, 0.1702, 0.3043



66.1102, 0.3357, 0.2292



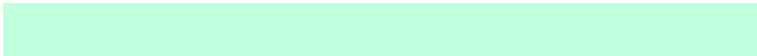
66.1102, 0.4776, 0.3202

Sweetspot

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



66.1129, 0.2700, 0.4710



88.3070, 0.2936, 0.3635



70.3953, 0.3487, 0.5426



18.5985, 0.2909, 0.3694



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.



66.1129, 0.2700, 0.4710



73.1501, 0.2736, 0.5029



70.1911, 0.2309, 0.3369



17.7834, 0.3050, 0.3415



34.8282, 0.2741, 0.5066



2.9174, 0.2672, 0.4820

Inverse Universe

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



23.2346, 0.4448, 0.2396



23.2870, 0.4834, 0.2454



21.3466, 0.5863, 0.3258



15.8956, 0.3212, 0.3168



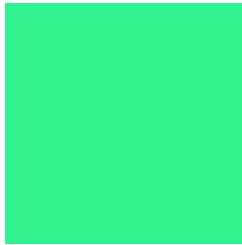
10.9688, 0.4883, 0.2463



0.9326, 0.4602, 0.2309

Previews

White Background



This preview shows how the Yxy color 66.1102, 0.2700, 0.4710 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 66.1102, 0.2700, 0.4710 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 66.1102, 0.2700, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 66.1102, 0.2700, 0.4710.

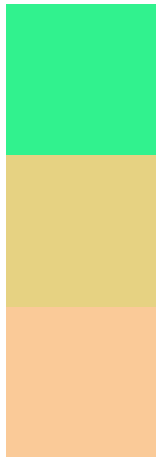


This preview shows how white text looks on a background with the Yxy color 66.1102, 0.2700, 0.4710.

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

66.1102, 0.2700, 0.4710

Protanopia

64.5279, 0.3861, 0.4172

Deuteranopia

64.8321, 0.3900, 0.3819



Tritanopia

66.0236, 0.2340, 0.3067

Trichromacy



Original Color

66.1102, 0.2700, 0.4710



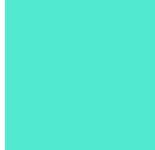
Protanomaly

61.8563, 0.3274, 0.4429



Deuteranomaly

61.1109, 0.3292, 0.4167



Tritanomaly

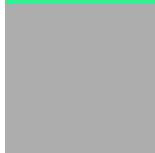
65.1984, 0.2461, 0.3620

Monochromacy



Original Color

66.1102, 0.2700, 0.4710



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

47.5860, 0.2856, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1102, 0.2700, 0.4710 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(49, 242, 142)` looks like.

```
.text, #text, p{  
    color:rgb(49, 242, 142)  
}
```

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(49, 242, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 242, 142) }
```

Border

The CSS property to change the border of an element to Yxy 66.1102, 0.2700, 0.4710 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(49, 242, 142) }
```

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

```
.border{ border-color:rgb(49, 242, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 242, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 242, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 242, 142);  
box-shadow:4px 4px 4px 4px rgb(49, 242,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1102, 0.2700, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 242, 142) }
```

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

```
.background{ background-color: rgb(49, 242,  
142) }
```

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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