

Converting Colors

$Y_{xy}(64.3295, 0.2730, 0.4719)$

Have a look what the booklet for
Yxy(64.3295, 0.2730, 0.4719)
contains.

Yxy(64.5269, 0.2729, 0.4718)	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(64.5269, 0.2729, 0.4718)

Conversions

Conversions Part 1

Format	Color
Hex	3BEF8B
RGB	59, 239, 139
RGB Percent	23%, 94%, 55%
CMY	0.7692, 0.0627, 0.4549
CMYK	0.75, 0.00, 0.42, 0.06
HSL	147°, 85%, 58%
HSV	147°, 75%, 94%
XYZ	37.3238, 64.5269, 34.9167
YIQ	173.7800, -75.1800, -69.2600

Conversions

Conversions Part 2

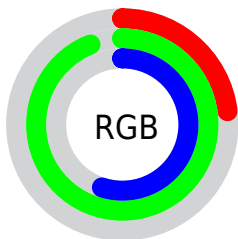
Format	Color
RYB	59, 184, 239
Decimal	3927947
CIELab	84.24, -65.92, 35.93
CIELCh	84, 75.078, 151.407
Yxy	64.5269, 0.2729, 0.4718
Android (android.graphics.Color)	4282118027 (0xFF3BEF8B)
YUV	173.7800, -17.1465, -100.6621
Hunter-Lab	80.3286, -57.6370, 30.4582

Details

The Yxy color **64.5269, 0.2729, 0.4718** 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 **23.9629, 0.4237, 0.2339**, and the grayscale version is **42.3063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1956, 0.2765, 0.4051**, and **34.1440, 0.2744, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **63.5961, 0.2738, 0.4931**, and if you desaturate by 10%, it is **65.8436, 0.2740, 0.4498**.

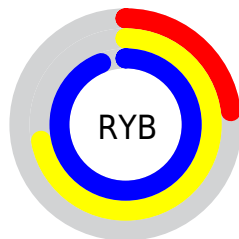
Distribution



Red (23%)

Green (94%)

Blue (55%)



Red (23%)

Yellow (72%)

Blue (94%)

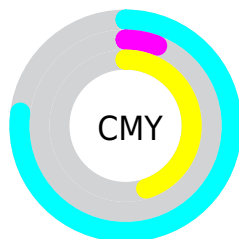


Cyan (75%)

Magenta (0%)

Yellow (42%)

Black (6%)



Cyan (77%)


Magenta (6%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5269, 0.2729, 0.4718 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 64.5269, 0.2729, 0.4718 by changing the saturation by 10% instead.


 64.5269, 0.2729,
0.4718


 64.5269, 0.2729,
0.4718

441.0899, 0.2947,
0.3987

 47.0776, 0.2669,
0.4903


 111.3694, 0.2812,
0.4450

 33.0970, 0.2590,
0.5140


 141.5314, 0.2842,
0.4350

 22.2007, 0.2481,
0.5453


 176.6997, 0.2867,
0.4266

 14.0045, 0.2323,
0.5884


 217.2587, 0.2889,
0.4194

 8.1238, 0.2080,
0.6502

263.5928, 0.2907,
0.4132

 4.1743, 0.1710,
0.7549

316.0865, 0.2922,

 1.7715, 0.0000,

0.4077

1.0000

375.1240, 0.2935,
0.4030

■ 0.4693, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5269, 0.2729,
0.4718

■ 64.5269, 0.2729,
0.4718

■ 63.5961, 0.2738,
0.4931

■ 65.8436, 0.2740,
0.4498


■ 62.9920, 0.2766,
0.5130

■ 67.5805, 0.2769,
0.4280


■ 62.7879, 0.2782,
0.5217

■ 69.7764, 0.2815,
0.4068


■ 72.4635, 0.2872,
0.3868

 75.6710, 0.2939,
0.3683

 79.4258, 0.3011,
0.3515

 83.7529, 0.3086,
0.3364

 88.6756, 0.3162,
0.3230

 90.2200, 0.3134,
0.3136

Harmonies

Analogous

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



64.5269, 0.3600, 0.5035



64.5269, 0.2729, 0.4718



64.5269, 0.2016, 0.3759

Triad

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



64.5269, 0.2729, 0.4718



64.5269, 0.1860, 0.1932



64.5269, 0.4890, 0.3398

Complementary

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



64.5269, 0.2729, 0.4718



23.9629, 0.4237, 0.2339

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.



64.5269, 0.4279, 0.2785



64.5269, 0.2729, 0.4718



64.5269, 0.2447, 0.1985

Square

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



64.5269, 0.2729, 0.4718



64.5269, 0.1591, 0.2173



64.5269, 0.3327, 0.2286



64.5269, 0.4899, 0.4056

Rectangle

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



64.5269, 0.2729, 0.4718



64.5269, 0.1721, 0.3074



64.5269, 0.3327, 0.2286



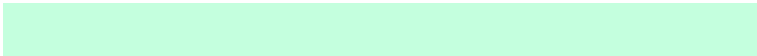
64.5269, 0.4748, 0.3186

Sweetspot

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



64.5295, 0.2729, 0.4718



88.6006, 0.2955, 0.3643



69.6250, 0.3535, 0.5312



18.6493, 0.2929, 0.3707



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.



64.5295, 0.2729, 0.4718



73.2815, 0.2749, 0.5031



68.2112, 0.2348, 0.3443



17.7733, 0.3055, 0.3424



34.7195, 0.2774, 0.5187



2.9081, 0.2703, 0.4931

Inverse Universe

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



23.9629, 0.4237, 0.2339



24.2729, 0.4557, 0.2336



21.9180, 0.5601, 0.3206



15.9057, 0.3206, 0.3160



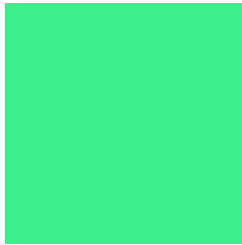
11.0985, 0.4726, 0.2377



0.9433, 0.4471, 0.2237

Previews

White Background



This preview shows how the Yxy color 64.5269, 0.2729, 0.4718 looks on a white background.

Color Contrast Check

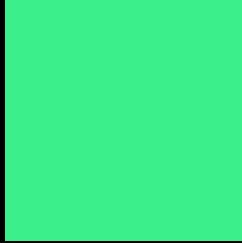
Large Text (above 18pt) WCAG AA × Fail

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 64.5269, 0.2729, 0.4718 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 64.5269, 0.2729, 0.4718

Background



This preview shows how black text looks on a background with the Yxy color 64.5269, 0.2729, 0.4718.

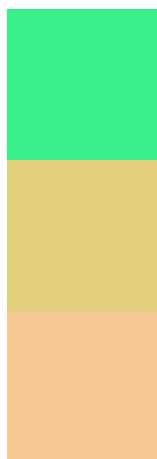


This preview shows how white text looks on a background with the Yxy color 64.5269, 0.2729, 0.4718.

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

64.5269, 0.2729, 0.4718

Protanopia

62.9749, 0.3866, 0.4192

Deuteranopia

62.7591, 0.3919, 0.3835



Tritanopia

64.4143, 0.2357, 0.3065

Trichromacy



Original Color

64.5269, 0.2729, 0.4718



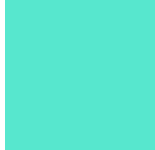
Protanomaly

60.4087, 0.3312, 0.4432



Deuteranomaly

59.7212, 0.3333, 0.4168



Tritanomaly

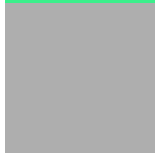
63.6343, 0.2485, 0.3623

Monochromacy



Original Color

64.5269, 0.2729, 0.4718



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.8669, 0.2890, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5269, 0.2729, 0.4718 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(59, 239, 139)` looks like.

```
.text, #text, p{  
    color:rgb(59, 239, 139)  
}
```

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(59, 239, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 239, 139) }
```

Border

The CSS property to change the border of an element to Yxy 64.5269, 0.2729, 0.4718 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(59, 239, 139) }
```

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

```
.border{ border-color:rgb(59, 239, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 239, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 239, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 239, 139);  
box-shadow:4px 4px 4px 4px rgb(59, 239,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5269, 0.2729, 0.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 239, 139) }
```

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

```
.background{ background-color: rgb(59, 239,  
139) }
```

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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