

Converting Colors

Yxy(64.8026, 0.2759, 0.4609)

Have a look what the booklet for
Yxy(64.8026, 0.2759, 0.4609)
contains.

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Color

Yxy(64.7824, 0.2760, 0.4615)

Conversions

Conversions Part 1

Format	Color
Hex	4EEE90
RGB	78, 238, 144
RGB Percent	31%, 93%, 56%
CMY	0.6946, 0.0666, 0.4353
CMYK	0.67, 0.00, 0.39, 0.07
HSL	145°, 82%, 62%
HSV	145°, 67%, 93%
XYZ	38.7431, 64.7824, 36.8481
YIQ	179.4440, -65.1860, -63.1540

Conversions

Conversions Part 2

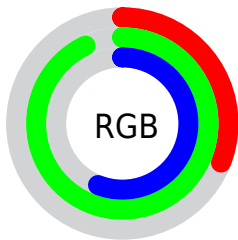
Format	Color
RYB	78, 191, 238
Decimal	5172880
CIELab	84.37, -61.91, 33.68
CIELCh	84, 70.476, 151.452
Yxy	64.7824, 0.2760, 0.4615
Android (android.graphics.Color)	4283362960 (0xFF4EEE90)
YUV	179.4440, -17.4739, -88.9664
Hunter-Lab	80.4875, -54.9312, 29.1977

Details

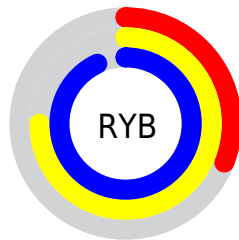
The Yxy color **64.7824, 0.2760, 0.4615** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **26.5857, 0.3994, 0.2338**, and the grayscale version is **45.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5728, 0.2796, 0.3962**, and **33.8205, 0.2716, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **63.5556, 0.2755, 0.4845**, and if you desaturate by 10%, it is **66.4307, 0.2784, 0.4383**.

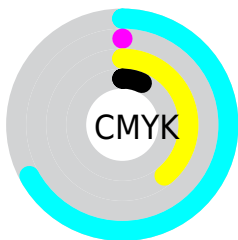
Distribution



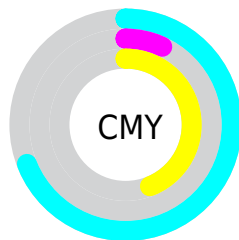
- Red (31%)
- Green (93%)
- Blue (56%)



- Red (31%)
- Yellow (75%)
- Blue (93%)



- Cyan (67%)
- Magenta (0%)
- Yellow (39%)
- Black (7%)




- Cyan (69%)
- Magenta (7%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7824, 0.2760, 0.4615 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 64.7824, 0.2760, 0.4615 by changing the saturation by 10% instead.


 64.7824, 0.2760,
0.4615


 64.7824, 0.2760,
0.4615

442.0096, 0.2960,
0.3940


 47.2847, 0.2706,
0.4785


 111.7370, 0.2836,
0.4368

 33.2607, 0.2634,
0.5003


 141.9626, 0.2863,
0.4276

 22.3263, 0.2536,
0.5292


 177.1996, 0.2886,
0.4198

 14.0968, 0.2393,
0.5689

 217.8324, 0.2906,
0.4131

 8.1880, 0.2174,
0.6262

264.2454, 0.2922,
0.4074

 4.2155, 0.1825,
0.7182


316.8230, 0.2936,

 1.7948, 0.0005,


0.4024


0.9995


375.9496, 0.2949,
0.3979

 0.4839, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 64.7824, 0.2760,
0.4615


 64.7824, 0.2760,
0.4615


 63.5556, 0.2755,
0.4845


 66.4307, 0.2784,
0.4383


 62.6991, 0.2769,
0.5064

 68.5297, 0.2824,
0.4157

 62.1594, 0.2800,
0.5265

 71.1149, 0.2876,
0.3942

 62.0438, 0.2810,
0.5316

 74.2160, 0.2937,
0.3743

 77.8601, 0.3005,
0.3561

 82.0727, 0.3075,
0.3398

 86.8773, 0.3147,
0.3252

 89.6366, 0.3135,
0.3127

Harmonies

Analogous

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



64.7824, 0.3586, 0.4924



64.7824, 0.2760, 0.4615



64.7824, 0.2080, 0.3731

Triad

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



64.7824, 0.2760, 0.4615



64.7824, 0.1926, 0.2002



64.7824, 0.4783, 0.3406

Complementary

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



64.7824, 0.2760, 0.4615



26.5857, 0.3994, 0.2338

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.



64.7824, 0.4210, 0.2817



64.7824, 0.2760, 0.4615



64.7824, 0.2489, 0.2050

Square

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



64.7824, 0.2760, 0.4615



64.7824, 0.1667, 0.2237



64.7824, 0.3320, 0.2339



64.7824, 0.4802, 0.4034

Rectangle

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



64.7824, 0.2760, 0.4615



64.7824, 0.1796, 0.3094



64.7824, 0.3320, 0.2339



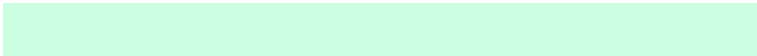
64.7824, 0.4648, 0.3202

Sweetspot

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



64.7850, 0.2760, 0.4615



89.7968, 0.2985, 0.3610



70.6991, 0.3571, 0.5111



18.9598, 0.2966, 0.3661



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.



64.7850, 0.2760, 0.4615



73.8733, 0.2758, 0.4935



68.0452, 0.2408, 0.3495



17.7646, 0.3059, 0.3432



34.6342, 0.2802, 0.5287



2.9006, 0.2729, 0.5025

Inverse Universe

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



26.5857, 0.3994, 0.2338



26.3022, 0.4264, 0.2264



24.4176, 0.5155, 0.3147



15.9146, 0.3201, 0.3152



11.2192, 0.4593, 0.2304



0.9531, 0.4360, 0.2176

Previews

White Background



This preview shows how the Yxy color 64.7824, 0.2760, 0.4615 looks on a white background.

Color Contrast Check

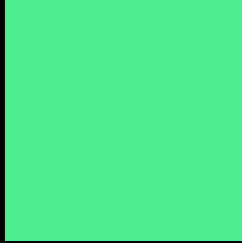
Large Text (above 18pt) WCAG AA × Fail

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 64.7824, 0.2760, 0.4615 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 64.7824, 0.2760, 0.4615

Background



This preview shows how black text looks on a background with the Yxy color 64.7824, 0.2760, 0.4615.

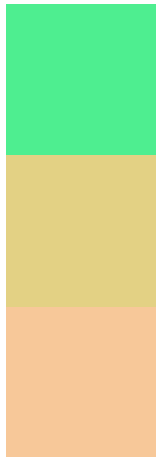


This preview shows how white text looks on a background with the Yxy color 64.7824, 0.2760, 0.4615.

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

64.7824, 0.2760, 0.4615

Protanopia

63.5978, 0.3827, 0.4150

Deuteranopia

63.3826, 0.3876, 0.3793



Tritanopia

64.4351, 0.2395, 0.3066

Trichromacy



Original Color

64.7824, 0.2760, 0.4615



Protanomaly

61.8482, 0.3332, 0.4360



Deuteranomaly

60.7342, 0.3354, 0.4090



Tritanomaly

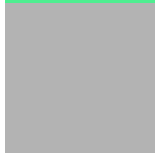
63.8570, 0.2519, 0.3579

Monochromacy



Original Color

64.7824, 0.2760, 0.4615



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

49.8125, 0.2928, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7824, 0.2760, 0.4615 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(78, 238, 144)` looks like.

```
.text, #text, p{  
    color:rgb(78, 238, 144)  
}
```

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(78, 238, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 238, 144) }
```

Border

The CSS property to change the border of an element to Yxy 64.7824, 0.2760, 0.4615 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(78, 238, 144) }
```

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

```
.border{ border-color:rgb(78, 238, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 238, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 238, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 238, 144);  
box-shadow:4px 4px 4px 4px rgb(78, 238,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7824, 0.2760, 0.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 238, 144) }
```

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

```
.background{ background-color: rgb(78, 238,  
144) }
```

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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