

Converting Colors

$Yxy(64.8289, 0.2756, 0.4525)$

Have a look what the booklet for
Yxy(64.8289, 0.2756, 0.4525)
contains.

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Color

Yxy(64.6231, 0.2756, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	54ED95
RGB	84, 237, 149
RGB Percent	33%, 93%, 58%
CMY	0.6709, 0.0705, 0.4157
CMYK	0.65, 0.00, 0.37, 0.07
HSL	146°, 81%, 63%
HSV	146°, 65%, 93%
XYZ	39.3594, 64.6231, 38.8310
YIQ	181.2210, -62.9400, -59.8040

Conversions

Conversions Part 2

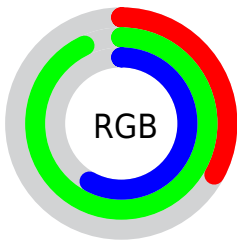
Format	Color
RYB	84, 191, 237
Decimal	5565845
CIELab	84.29, -59.60, 31.08
CIELCh	84, 67.216, 152.457
Yxy	64.6231, 0.2756, 0.4525
Android (android.graphics.Color)	4283755925 (0xFF54ED95)
YUV	181.2210, -15.8850, -85.2628
Hunter-Lab	80.3885, -53.2836, 27.6324

Details

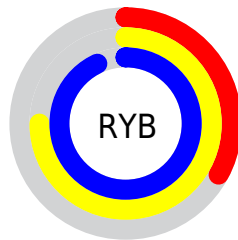
The Yxy color **64.6231, 0.2756, 0.4525** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **27.3107, 0.3969, 0.2381**, and the grayscale version is **46.4368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1755, 0.2791, 0.3896**, and **33.5056, 0.2686, 0.4871** is the 20% darker color. If you saturate the color by 10%, you get **63.3020, 0.2745, 0.4752**, and if you desaturate by 10%, it is **66.3701, 0.2785, 0.4299**.

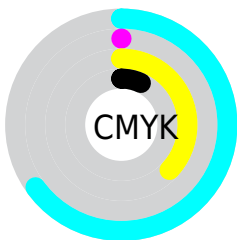
Distribution



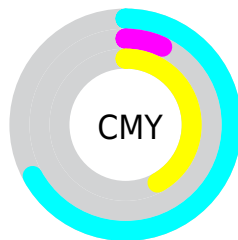
- Red (33%)
- Green (93%)
- Blue (58%)



- Red (33%)
- Yellow (75%)
- Blue (93%)



- Cyan (65%)
- Magenta (0%)
- Yellow (37%)
- Black (7%)





- Cyan (67%)
- Magenta (7%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6231, 0.2756, 0.4525 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 64.6231, 0.2756, 0.4525 by changing the saturation by 10% instead.


 64.6231, 0.2756,
0.4525


 64.6231, 0.2756,
0.4525


441.4363, 0.2954,
0.3898

 47.1555, 0.2703,
0.4683


 111.5078, 0.2831,
0.4296


 33.1586, 0.2634,
0.4885


 141.6938, 0.2858,
0.4210

 22.2480, 0.2539,
0.5154


 176.8879, 0.2881,
0.4137

 14.0392, 0.2403,
0.5525

 217.4748, 0.2900,
0.4076

 8.1480, 0.2196,
0.6061

263.8386, 0.2916,
0.4022

 4.1898, 0.1858,
0.6899

316.3639, 0.2931,

 1.7803, 0.0266,

0.3975

0.9734

375.4350, 0.2943,
0.3934

0.4748, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.6231, 0.2756,
0.4525

64.6231, 0.2756,
0.4525

63.3020, 0.2745,
0.4752

66.3701, 0.2785,
0.4299

62.3580, 0.2753,
0.4971

68.5703, 0.2830,
0.4080


61.7442, 0.2780,
0.5176


71.2579, 0.2886,
0.3874


61.5094, 0.2800,
0.5278

74.4614, 0.2951,
0.3683

 78.2072, 0.3021,
0.3510

 82.5196, 0.3093,
0.3355

 87.4217, 0.3167,
0.3218

 89.0547, 0.3135,
0.3117

Harmonies

Analogous

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



64.6231, 0.3549, 0.4849



64.6231, 0.2756, 0.4525



64.6231, 0.2108, 0.3681

Triad

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



64.6231, 0.2756, 0.4525



64.6231, 0.1985, 0.2048



64.6231, 0.4719, 0.3430

Complementary

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



64.6231, 0.2756, 0.4525



27.3107, 0.3969, 0.2381

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.



64.6231, 0.4187, 0.2856



64.6231, 0.2756, 0.4525



64.6231, 0.2540, 0.2101

Square

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



64.6231, 0.2756, 0.4525



64.6231, 0.1724, 0.2269



64.6231, 0.3343, 0.2388



64.6231, 0.4726, 0.4037

Rectangle

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



64.6231, 0.2756, 0.4525



64.6231, 0.1838, 0.3080



64.6231, 0.3343, 0.2388



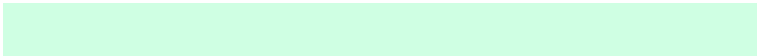
64.6231, 0.4595, 0.3232

Sweetspot

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



64.6257, 0.2756, 0.4525



90.2748, 0.2989, 0.3586



70.1233, 0.3547, 0.5059



19.0544, 0.2969, 0.3636



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.



64.6257, 0.2756, 0.4525



74.2764, 0.2745, 0.4835



67.8514, 0.2413, 0.3452



16.9684, 0.3058, 0.3429



33.6034, 0.2791, 0.5248



2.6576, 0.2715, 0.4974

Inverse Universe

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



27.3107, 0.3969, 0.2381



27.0174, 0.4241, 0.2293



25.1918, 0.5067, 0.3173



15.1992, 0.3203, 0.3155



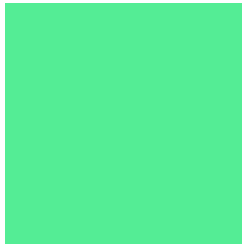
10.8310, 0.4641, 0.2330



0.8697, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 64.6231, 0.2756, 0.4525 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 64.6231, 0.2756, 0.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

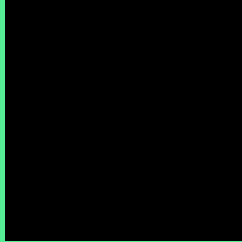
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6231, 0.2756, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 64.6231, 0.2756, 0.4525.

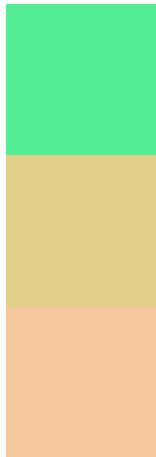


This preview shows how white text looks on a background with the Yxy color 64.6231, 0.2756, 0.4525.

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

64.6231, 0.2756, 0.4525

Protanopia

63.0866, 0.3787, 0.4089

Deuteranopia

63.1554, 0.3828, 0.3754



Tritanopia

64.5692, 0.2403, 0.3067

Trichromacy



Original Color

64.6231, 0.2756, 0.4525



Protanomaly

61.5848, 0.3311, 0.4284



Deuteranomaly

60.3607, 0.3329, 0.4029



Tritanomaly

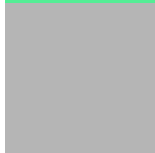
64.1401, 0.2529, 0.3564

Monochromacy



Original Color

64.6231, 0.2756, 0.4525



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.7489, 0.2937, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6231, 0.2756, 0.4525 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(84, 237, 149)` looks like.

```
.text, #text, p{  
    color:rgb(84, 237, 149)  
}
```

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(84, 237, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 237, 149) }
```

Border

The CSS property to change the border of an element to Yxy 64.6231, 0.2756, 0.4525 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(84, 237, 149) }
```

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

```
.border{ border-color:rgb(84, 237, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 237, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 237, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 237, 149);  
box-shadow:4px 4px 4px 4px rgb(84, 237,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6231, 0.2756, 0.4525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 237, 149) }
```

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

```
.background{ background-color: rgb(84, 237,  
149) }
```

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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