

Converting Colors

Yxy(64.5232, 0.2660, 0.4388)

Have a look what the booklet for
Yxy(64.5232, 0.2660, 0.4388)
contains.

Yxy(64.3368, 0.2662, 0.4392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.3368, 0.2662, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	45ED9F
RGB	69, 237, 159
RGB Percent	27%, 93%, 62%
CMY	0.7294, 0.0706, 0.3765
CMYK	0.71, 0.00, 0.33, 0.07
HSL	152°, 82%, 60%
HSV	152°, 71%, 93%
XYZ	38.9947, 64.3368, 43.1549
YIQ	177.8760, -75.0900, -59.8740

Conversions

Conversions Part 2

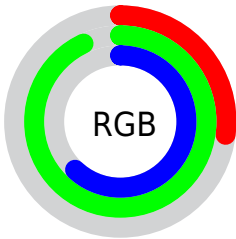
Format	Color
RYB	69, 178, 237
Decimal	4582815
CIELab	84.14, -60.11, 25.75
CIELCh	84, 65.394, 156.815
Yxy	64.3368, 0.2662, 0.4392
Android (android.graphics.Color)	4282772895 (0xFF45ED9F)
YUV	177.8760, -9.3059, -95.4843
Hunter-Lab	80.2102, -53.5891, 24.2478

Details

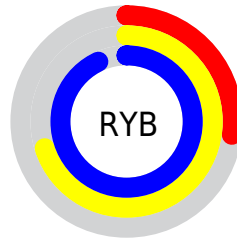
The Yxy color **64.3368, 0.2662, 0.4392** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **24.3686, 0.4373, 0.2518**, and the grayscale version is **44.5315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6934, 0.2692, 0.3778**, and **33.7041, 0.2632, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **63.2737, 0.2656, 0.4576**, and if you desaturate by 10%, it is **65.7849, 0.2688, 0.4208**.

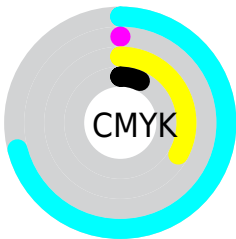
Distribution



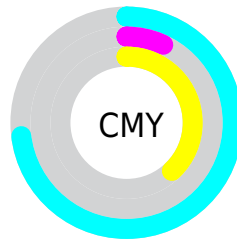
- Red (27%)
- Green (93%)
- Blue (62%)



- Red (27%)
- Yellow (70%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (33%)
- Black (7%)




- Cyan (73%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3368, 0.2662, 0.4392 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 64.3368, 0.2662, 0.4392 by changing the saturation by 10% instead.


 64.3368, 0.2662,
0.4392

 64.3368, 0.2662,
0.4392


440.4049, 0.2900,
0.3834

 46.9235, 0.2602,
0.4532


 111.0958, 0.2749,
0.4188


 32.9752, 0.2524,
0.4712


 141.2104, 0.2782,
0.4112

 22.1074, 0.2420,
0.4951


 176.3275, 0.2809,
0.4048

 13.9359, 0.2275,
0.5282

 216.8315, 0.2833,
0.3993

 8.0761, 0.2061,
0.5765

263.1069, 0.2853,
0.3945

 4.1437, 0.1722,
0.6520

315.5379, 0.2870,

 1.7542, 0.0115,

0.3903

0.9885

374.5092, 0.2886,
0.3867

■ 0.4584, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3368, 0.2662,
0.4392

■ 64.3368, 0.2662,
0.4392

■ 63.2737, 0.2656,
0.4576

■ 65.7849, 0.2688,
0.4208

■ 62.5430, 0.2670,
0.4755

■ 67.6480, 0.2733,
0.4029


■ 62.1025, 0.2697,
0.4911


■ 69.9616, 0.2793,
0.3859


■ 72.7550, 0.2864,
0.3699

 76.0554, 0.2945,
0.3553

 79.8876, 0.3031,
0.3419

 84.2747, 0.3119,
0.3300

 88.5492, 0.3185,
0.3193

 89.0517, 0.3135,
0.3117

Harmonies

Analogous

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



64.3368, 0.3430, 0.4801



64.3368, 0.2662, 0.4392



64.3368, 0.2063, 0.3540

Triad

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



64.3368, 0.2662, 0.4392



64.3368, 0.2072, 0.2066



64.3368, 0.4713, 0.3517

Complementary

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



64.3368, 0.2662, 0.4392



24.3686, 0.4373, 0.2518

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.



64.3368, 0.4262, 0.2945



64.3368, 0.2662, 0.4392



64.3368, 0.2656, 0.2154

Square

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



64.3368, 0.2662, 0.4392



64.3368, 0.1773, 0.2243



64.3368, 0.3464, 0.2465



64.3368, 0.4649, 0.4111

Rectangle

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



64.3368, 0.2662, 0.4392



64.3368, 0.1828, 0.2974



64.3368, 0.3464, 0.2465



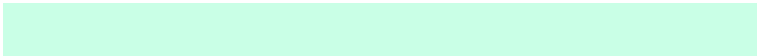
64.3368, 0.4618, 0.3321

Sweetspot

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



64.3394, 0.2662, 0.4392



89.7205, 0.2943, 0.3555



67.2415, 0.3422, 0.5294



18.9602, 0.2920, 0.3595



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.



64.3394, 0.2662, 0.4392



74.2813, 0.2660, 0.4656



64.7589, 0.2306, 0.3216



16.9971, 0.3043, 0.3402



33.9306, 0.2690, 0.4883



2.6838, 0.2623, 0.4643

Inverse Universe

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



24.3686, 0.4373, 0.2518



24.5237, 0.4765, 0.2508



23.4128, 0.5497, 0.3344



15.1705, 0.3220, 0.3181



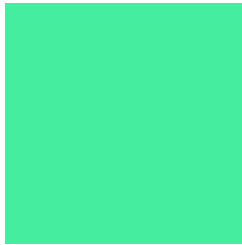
10.4711, 0.5107, 0.2587



0.8415, 0.4776, 0.2405

Previews

White Background



This preview shows how the Yxy color 64.3368, 0.2662, 0.4392 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 64.3368, 0.2662, 0.4392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

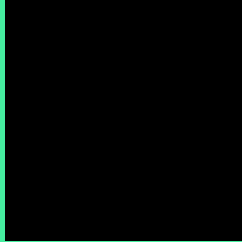
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3368, 0.2662, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 64.3368, 0.2662, 0.4392.

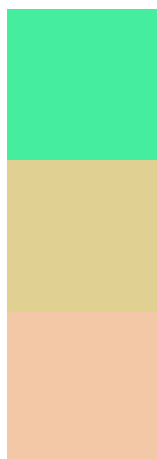


This preview shows how white text looks on a background with the Yxy color 64.3368, 0.2662, 0.4392.

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

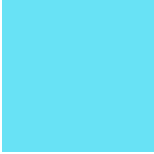
64.3368, 0.2662, 0.4392

Protanopia

63.0344, 0.3706, 0.3995

Deuteranopia

62.9758, 0.3723, 0.3650



Tritanopia

63.9283, 0.2358, 0.3052

Trichromacy



Original Color

64.3368, 0.2662, 0.4392



Protanomaly

61.2222, 0.3204, 0.4168



Deuteranomaly

59.8525, 0.3208, 0.3911



Tritanomaly

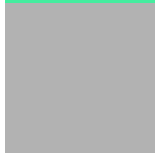
63.6728, 0.2459, 0.3499

Monochromacy



Original Color

64.3368, 0.2662, 0.4392



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

49.1904, 0.2867, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3368, 0.2662, 0.4392 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(69, 237, 159)` looks like.

```
.text, #text, p{  
    color:rgb(69, 237, 159)  
}
```

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(69, 237, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 237, 159) }
```

Border

The CSS property to change the border of an element to Yxy 64.3368, 0.2662, 0.4392 is called "border". The border property can be set on classes, ids or directly on the HTML element.

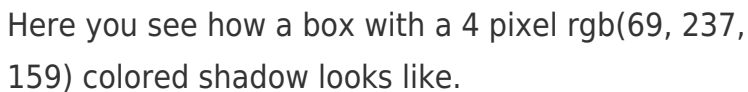
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 237, 159) }
```

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

```
.border{ border-color:rgb(69, 237, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(69, 237, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 237, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 237, 159); box-shadow:4px 4px 4px 4px rgb(69, 237, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3368, 0.2662, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 237, 159) }
```

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

```
.background{ background-color: rgb(69, 237,  
159) }
```

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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