

Converting Colors

Yxy(65.4701, 0.3262, 0.5453)

Have a look what the booklet for
Yxy(65.4701, 0.3262, 0.5453)
contains.

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Color

Yxy(65.4412, 0.3260, 0.5455)

Conversions

Conversions Part 1

Format	Color
Hex	77EE40
RGB	119, 238, 64
RGB Percent	47%, 93%, 25%
CMY	0.5333, 0.0667, 0.7491
CMYK	0.50, 0.00, 0.73, 0.07
HSL	101°, 84%, 59%
HSV	101°, 73%, 93%
XYZ	39.1088, 65.4412, 15.4156
YIQ	182.5830, -15.0700, -79.3420

Conversions

Conversions Part 2

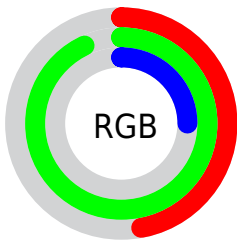
Format	Color
RYB	64, 238, 183
Decimal	7859776
CIELab	84.71, -62.21, 69.40
CIELCh	85, 93.199, 131.871
Yxy	65.4412, 0.3260, 0.5455
Android (android.graphics.Color)	4286049856 (0xFF77EE40)
YUV	182.5830, -58.4614, -55.7623
Hunter-Lab	80.8957, -55.2723, 45.3287

Details

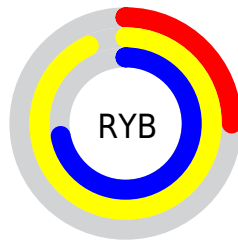
The Yxy color **65.4412, 0.3260, 0.5455** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **19.8990, 0.2637, 0.1427**, and the grayscale version is **47.4479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6284, 0.3377, 0.4803**, and **33.7516, 0.3127, 0.5899** is the 20% darker color. If you saturate the color by 10%, you get **64.1738, 0.3227, 0.5670**, and if you desaturate by 10%, it is **67.0268, 0.3277, 0.5185**.

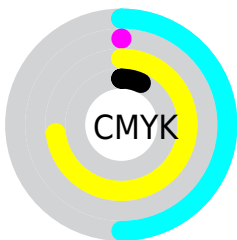
Distribution



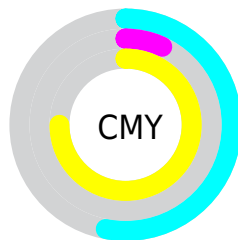
- Red (47%)
- Green (93%)
- Blue (25%)



- Red (25%)
- Yellow (93%)
- Blue (72%)



- Cyan (50%)
- Magenta (0%)
- Yellow (73%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4412, 0.3260, 0.5455 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 65.4412, 0.3260, 0.5455 by changing the saturation by 10% instead.


 65.4412, 0.3260,
0.5455

 65.4412, 0.3260,
0.5455


444.3758, 0.3285,
0.4376


 47.8189, 0.3225,
0.5706


 112.6839, 0.3291,
0.5073

 33.6835, 0.3164,
0.6011


 143.0732, 0.3296,
0.4926

 22.6506, 0.3060,
0.6385


 178.4869, 0.3298,
0.4800

 14.3357, 0.2887,
0.6856

 219.3094, 0.3297,
0.4692

 8.3545, 0.2582,
0.7418

 265.9251, 0.3295,
0.4597

 4.3226, 0.2036,
0.7964

318.7185, 0.3292,

 1.8556, 0.0156,

0.4514

0.9844

378.0739, 0.3288,
0.4441

0.5215, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.4412, 0.3260,
0.5455

65.4412, 0.3260,
0.5455

64.1738, 0.3227,
0.5670

67.0268, 0.3277,
0.5185


63.1904, 0.3181,
0.5817

68.9446, 0.3278,
0.4877


62.6581, 0.3146,
0.5884

71.2175, 0.3266,
0.4553


73.8638, 0.3243,
0.4229

 76.9005, 0.3212,
0.3919

 80.3433, 0.3177,
0.3630

 84.2074, 0.3139,
0.3367

 88.5067, 0.3101,
0.3131

 89.6309, 0.3135,
0.3127

Harmonies

Analogous

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



65.4412, 0.4264, 0.5137



65.4412, 0.3260, 0.5455



65.4412, 0.2273, 0.4742

Triad

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



65.4412, 0.3260, 0.5455



65.4412, 0.1399, 0.1811



65.4412, 0.4881, 0.2898

Complementary

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



65.4412, 0.3260, 0.5455



19.8990, 0.2637, 0.1427

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.



65.4412, 0.3780, 0.2278



65.4412, 0.3260, 0.5455



65.4412, 0.1820, 0.1682

Square

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



65.4412, 0.3260, 0.5455



65.4412, 0.1313, 0.2330



65.4412, 0.2627, 0.1850



65.4412, 0.5352, 0.3609

Rectangle

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



65.4412, 0.3260, 0.5455



65.4412, 0.1766, 0.3835



65.4412, 0.2627, 0.1850



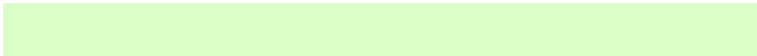
65.4412, 0.4559, 0.2677

Sweetspot

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



65.4440, 0.3260, 0.5455



90.3361, 0.3209, 0.3887



52.3706, 0.4514, 0.4452



19.1160, 0.3218, 0.3969



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.



65.4440, 0.3260, 0.5455



74.4170, 0.3204, 0.5755



63.0823, 0.2918, 0.5290



17.8989, 0.3163, 0.3531



35.0167, 0.3156, 0.5876



2.9642, 0.3254, 0.5798

Inverse Universe

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



19.8990, 0.2637, 0.1427



18.3724, 0.2507, 0.1202



26.3024, 0.3560, 0.1941



15.7662, 0.3087, 0.3054



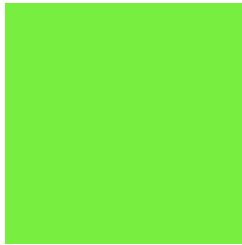
7.8438, 0.2424, 0.1109



0.7054, 0.2529, 0.1167

Previews

White Background



This preview shows how the Yxy color 65.4412, 0.3260, 0.5455 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 65.4412, 0.3260, 0.5455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

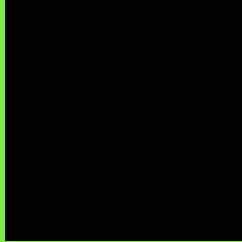
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.4412, 0.3260, 0.5455

Background



This preview shows how black text looks on a background with the Yxy color 65.4412, 0.3260, 0.5455.

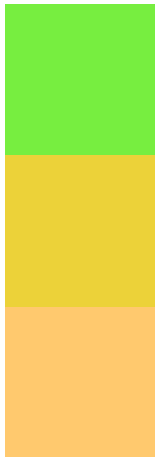


This preview shows how white text looks on a background with the Yxy color 65.4412, 0.3260, 0.5455.

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

65.4412, 0.3260, 0.5455

Protanopia

64.2215, 0.4299, 0.4730

Deuteranopia

64.1591, 0.4250, 0.4199



Tritanopia

64.9234, 0.2567, 0.3073

Trichromacy



Original Color

65.4412, 0.3260, 0.5455



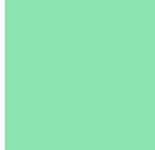
Protanomaly

62.8501, 0.3869, 0.5024



Deuteranomaly

62.0053, 0.3868, 0.4659



Tritanomaly

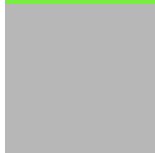
64.0247, 0.2859, 0.3974

Monochromacy



Original Color

65.4412, 0.3260, 0.5455



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.0789, 0.3237, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4412, 0.3260, 0.5455 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(119, 238, 64)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 64)  
}
```

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(119, 238, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 64) }
```

Border

The CSS property to change the border of an element to Yxy 65.4412, 0.3260, 0.5455 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(119, 238, 64) }
```

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

```
.border{ border-color:rgb(119, 238, 64) }
```

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

Here you see how a box with a 4 pixel rgb(119, 238, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 238, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 238, 64);  
box-shadow:4px 4px 4px 4px rgb(119, 238,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4412, 0.3260, 0.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 64) }
```

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

```
.background{ background-color: rgb(119,  
238, 64) }
```

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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