

Converting Colors

Yxy(65.5676, 0.3055, 0.4764)

Have a look what the booklet for
Yxy(65.5676, 0.3055, 0.4764)
contains.

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Color

Yxy(65.8572, 0.3053, 0.4762)

Conversions

Conversions Part 1

Format	Color
Hex	7DEC7E
RGB	125, 236, 126
RGB Percent	49%, 93%, 49%
CMY	0.5096, 0.0745, 0.5060
CMYK	0.47, 0.00, 0.47, 0.07
HSL	121°, 74%, 71%
HSV	121°, 47%, 93%
XYZ	42.2222, 65.8572, 30.2180
YIQ	190.2710, -30.8460, -57.7420

Conversions

Conversions Part 2

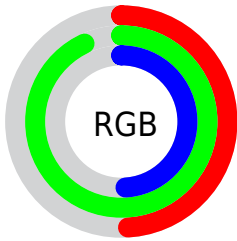
Format	Color
RYB	125, 235, 236
Decimal	8252542
CIELab	84.92, -53.51, 43.55
CIElCh	85, 68.990, 140.857
Yxy	65.8572, 0.3053, 0.4762
Android (android.graphics.Color)	4286442622 (0xFF7DEC7E)
YUV	190.2710, -31.6856, -57.2427
Hunter-Lab	81.1524, -49.1464, 34.7295

Details

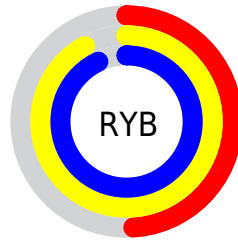
The Yxy color **65.8572, 0.3053, 0.4762** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.5124, 0.3189, 0.2157**, and the grayscale version is **51.8625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8826, 0.3105, 0.4148**, and **33.8584, 0.2988, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **63.7541, 0.3036, 0.5116**, and if you desaturate by 10%, it is **68.5290, 0.3070, 0.4404**.

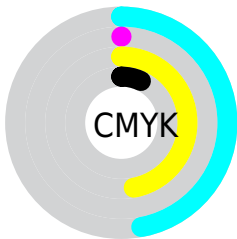
Distribution



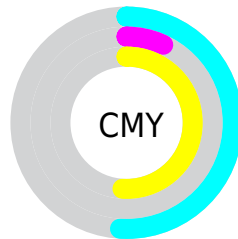
- Red (49%)
- Green (93%)
- Blue (49%)



- Red (49%)
- Yellow (92%)
- Blue (93%)



- Cyan (47%)
- Magenta (0%)
- Yellow (47%)
- Black (7%)




- Cyan (51%)
- Magenta (7%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8572, 0.3053, 0.4762 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 65.8572, 0.3053, 0.4762 by changing the saturation by 10% instead.

 65.8572, 0.3053,
0.4762

 65.8572, 0.3053,
0.4762


445.8660, 0.3122,
0.4019


 48.1565, 0.3026,
0.4946

 113.2814, 0.3085,
0.4493

 33.9508, 0.2987,
0.5178


 143.7736, 0.3095,
0.4391

 22.8558, 0.2925,
0.5482


 179.2984, 0.3103,
0.4305

 14.4871, 0.2825,
0.5888

220.2403, 0.3109,
0.4231

 8.4602, 0.2651,
0.6450

266.9836, 0.3113,
0.4168

 4.3908, 0.2432,
0.7568

319.9128, 0.3117,

 1.8945, 0.1223,

0.4112

0.8777

379.4121, 0.3120,
0.4063

■ 0.5451, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8572, 0.3053,
0.4762

■ 65.8572, 0.3053,
0.4762

■ 63.7541, 0.3036,
0.5116

■ 68.5290, 0.3070,
0.4404

■ 62.1711, 0.3021,
0.5438


■ 71.7977, 0.3088,
0.4061


■ 61.0653, 0.3010,
0.5701


■ 75.6994, 0.3103,
0.3747


■ 60.3831, 0.3003,
0.5884

■ 80.2649, 0.3118,
0.3466

 60.0560, 0.3000,
0.5979

 85.5231, 0.3131,
0.3220

 59.9953, 0.2999,
0.5996

 88.4709, 0.3136,
0.3107

Harmonies

Analogous

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



65.8572, 0.3857, 0.4831



65.8572, 0.3053, 0.4762



65.8572, 0.2312, 0.4055

Triad

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



65.8572, 0.3053, 0.4762



65.8572, 0.1829, 0.2077



65.8572, 0.4599, 0.3196

Complementary

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



65.8572, 0.3053, 0.4762



38.5124, 0.3189, 0.2157

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.



65.8572, 0.3892, 0.2647



65.8572, 0.3053, 0.4762



65.8572, 0.2276, 0.2031

Square

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



65.8572, 0.3053, 0.4762



65.8572, 0.1679, 0.2423



65.8572, 0.3009, 0.2235



65.8572, 0.4817, 0.3807

Rectangle

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



65.8572, 0.3053, 0.4762



65.8572, 0.1956, 0.3421



65.8572, 0.3009, 0.2235



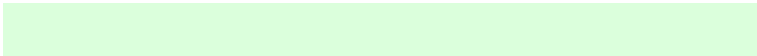
65.8572, 0.4406, 0.3003

Sweetspot

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



65.8600, 0.3053, 0.4762



91.7729, 0.3108, 0.3660



79.3055, 0.3821, 0.4437



19.4025, 0.3105, 0.3723



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.



65.8600, 0.3053, 0.4762



76.1794, 0.3037, 0.5089



67.6706, 0.2775, 0.4017



16.8642, 0.3115, 0.3531



33.0714, 0.2998, 0.5995



2.5976, 0.2994, 0.5979

Inverse Universe

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



38.5124, 0.3189, 0.2157



40.0349, 0.3200, 0.1974



35.8274, 0.3754, 0.2678



15.3115, 0.3139, 0.3060



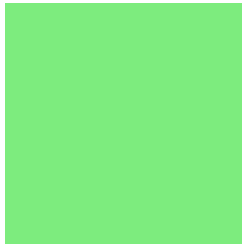
13.1054, 0.3230, 0.1553



1.0298, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 65.8572, 0.3053, 0.4762 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 65.8572, 0.3053, 0.4762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

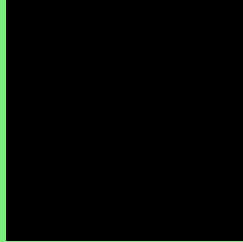
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8572, 0.3053, 0.4762

Background



This preview shows how black text looks on a background with the Yxy color 65.8572, 0.3053, 0.4762.



This preview shows how white text looks on a background with the Yxy color 65.8572, 0.3053, 0.4762.

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

65.8572, 0.3053, 0.4762

Protanopia

65.0287, 0.3958, 0.4305

Deuteranopia

64.5653, 0.4074, 0.3982



Tritanopia

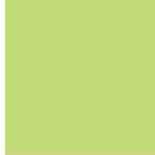
65.5158, 0.2564, 0.3074

Trichromacy



Original Color

65.8572, 0.3053, 0.4762



Protanomaly

63.8799, 0.3583, 0.4490



Deuteranomaly

62.9972, 0.3648, 0.4266



Tritanomaly

65.1858, 0.2744, 0.3660

Monochromacy



Original Color

65.8572, 0.3053, 0.4762



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.5227, 0.3095, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8572, 0.3053, 0.4762 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(125, 236, 126)` looks like.

```
.text, #text, p{  
    color:rgb(125, 236, 126)  
}
```

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(125, 236, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 236, 126) }
```

Border

The CSS property to change the border of an element to Yxy 65.8572, 0.3053, 0.4762 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(125, 236, 126) }
```

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

```
.border{ border-color:rgb(125, 236, 126) }
```

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

Here you see how a box with a 4 pixel rgb(125, 236, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 236, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 236, 126);  
box-shadow:4px 4px 4px 4px rgb(125, 236,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8572, 0.3053, 0.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 236, 126) }
```

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

```
.background{ background-color: rgb(125,  
236, 126) }
```

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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