

Converting Colors

$Y_{xy}(65.2155, 0.3118, 0.4756)$

Have a look what the booklet for
Yxy(65.2155, 0.3118, 0.4756)
contains.

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Color

Yxy(65.3440, 0.3120, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	86EA7B
RGB	134, 234, 123
RGB Percent	53%, 92%, 48%
CMY	0.4745, 0.0823, 0.5175
CMYK	0.43, 0.00, 0.47, 0.08
HSL	114°, 73%, 70%
HSV	114°, 47%, 92%
XYZ	42.8305, 65.3440, 29.1028
YIQ	191.4460, -23.9690, -55.7210

Conversions

Conversions Part 2

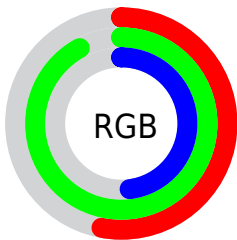
Format	Color
RYB	123, 234, 223
Decimal	8841851
CIELab	84.66, -50.55, 44.72
CIELCh	85, 67.493, 138.501
Yxy	65.3440, 0.3120, 0.4760
Android (android.graphics.Color)	4287031931 (0xFF86EA7B)
YUV	191.4460, -33.7439, -50.3801
Hunter-Lab	80.8356, -46.8847, 35.2391

Details

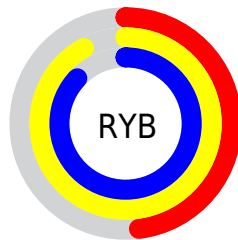
The Yxy color **65.3440, 0.3120, 0.4760** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.8074, 0.3078, 0.2104**, and the grayscale version is **52.5857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9008, 0.3175, 0.4169**, and **33.4357, 0.3069, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **63.2655, 0.3107, 0.5106**, and if you desaturate by 10%, it is **67.9135, 0.3128, 0.4409**.

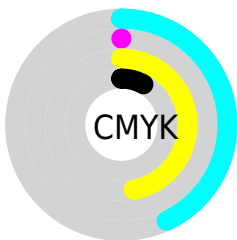
Distribution



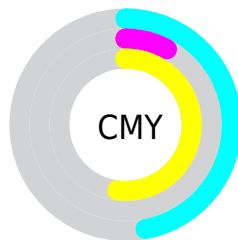
- Red (53%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (47%)
- Black (8%)



- Cyan (47%)
- Magenta (8%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3440, 0.3120, 0.4760 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 65.3440, 0.3120, 0.4760 by changing the saturation by 10% instead.


 65.3440, 0.3120,
0.4760


 65.3440, 0.3120,
0.4760

444.0271, 0.3158,
0.4020

 47.7401, 0.3100,
0.4942

 112.5443, 0.3142,
0.4492

 33.6211, 0.3069,
0.5173


 142.9094, 0.3148,
0.4391

 22.6027, 0.3017,
0.5472


 178.2971, 0.3151,
0.4305

 14.3004, 0.2929,
0.5872

219.0917, 0.3154,
0.4232

 8.3299, 0.2769,
0.6419

265.6776, 0.3156,
0.4168

 4.3068, 0.2551,
0.7449

318.4392, 0.3157,

 1.8466, 0.1432,

0.4112

0.8568

377.7609, 0.3158,
0.4063

0.5160, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.3440, 0.3120,
0.4760

65.3440, 0.3120,
0.4760

63.2655, 0.3107,
0.5106

67.9135, 0.3128,
0.4409

61.6390, 0.3090,
0.5421


70.9939, 0.3132,
0.4071


60.4329, 0.3069,
0.5682


74.6139, 0.3132,
0.3759


59.6078, 0.3046,
0.5866

78.7975, 0.3130,
0.3478

 59.1158, 0.3023,
0.5967

 83.5675, 0.3126,
0.3229

 59.0315, 0.3019,
0.5985

 87.3278, 0.3137,
0.3088

Harmonies

Analogous

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



65.3440, 0.3906, 0.4784



65.3440, 0.3120, 0.4760



65.3440, 0.2378, 0.4109

Triad

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



65.3440, 0.3120, 0.4760



65.3440, 0.1827, 0.2113



65.3440, 0.4531, 0.3155

Complementary

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



65.3440, 0.3120, 0.4760



35.8074, 0.3078, 0.2104

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.



65.3440, 0.3811, 0.2620



65.3440, 0.3120, 0.4760



65.3440, 0.2246, 0.2045

Square

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



65.3440, 0.3120, 0.4760



65.3440, 0.1702, 0.2481



65.3440, 0.2947, 0.2228



65.3440, 0.4790, 0.3755

Rectangle

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



65.3440, 0.3120, 0.4760



65.3440, 0.2011, 0.3492



65.3440, 0.2947, 0.2228



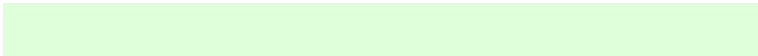
65.3440, 0.4330, 0.2966

Sweetspot

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



65.3468, 0.3120, 0.4760



92.3111, 0.3132, 0.3661



71.6492, 0.3877, 0.4349



19.5313, 0.3132, 0.3724



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.



65.3468, 0.3120, 0.4760



76.9245, 0.3108, 0.5100



65.8664, 0.2831, 0.4179



16.9333, 0.3131, 0.3532



33.1957, 0.3024, 0.5981



2.6308, 0.3079, 0.5937

Inverse Universe

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



35.8074, 0.3078, 0.2104



36.9328, 0.3059, 0.1891



35.3671, 0.3635, 0.2557



15.2337, 0.3122, 0.3057



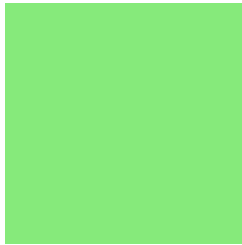
11.1411, 0.2962, 0.1405



0.8968, 0.2998, 0.1425

Previews

White Background



This preview shows how the Yxy color 65.3440, 0.3120, 0.4760 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 65.3440, 0.3120, 0.4760 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 65.3440, 0.3120, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 65.3440, 0.3120, 0.4760.



This preview shows how white text looks on a background with the Yxy color 65.3440, 0.3120, 0.4760.

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

65.3440, 0.3120, 0.4760

Protanopia

64.3199, 0.3968, 0.4319

Deuteranopia

64.4828, 0.4096, 0.4010



Tritanopia

65.0128, 0.2608, 0.3074

Trichromacy



Original Color

65.3440, 0.3120, 0.4760



Protanomaly

63.7068, 0.3622, 0.4493



Deuteranomaly

62.8487, 0.3697, 0.4281



Tritanomaly

64.7198, 0.2797, 0.3658

Monochromacy



Original Color

65.3440, 0.3120, 0.4760



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.9249, 0.3132, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3440, 0.3120, 0.4760 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(134, 234, 123)` looks like.

```
.text, #text, p{  
    color:rgb(134, 234, 123)  
}
```

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(134, 234, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 234, 123) }
```

Border

The CSS property to change the border of an element to Yxy 65.3440, 0.3120, 0.4760 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(134, 234, 123) }
```

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

```
.border{ border-color:rgb(134, 234, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 234, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 234, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 234, 123);  
box-shadow:4px 4px 4px 4px rgb(134, 234,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3440, 0.3120, 0.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 234, 123) }
```

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

```
.background{ background-color: rgb(134,  
234, 123) }
```

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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