

Converting Colors

Yxy(65.4166, 0.3149, 0.4429)

Have a look what the booklet for
Yxy(65.4166, 0.3149, 0.4429)
contains.

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Color

Yxy(65.4166, 0.3149, 0.4429)

Conversions

Conversions Part 1

Format	Color
Hex	9AE68E
RGB	154, 230, 142
RGB Percent	60%, 90%, 56%
CMY	0.3960, 0.0980, 0.4431
CMYK	0.33, 0.00, 0.38, 0.10
HSL	112°, 64%, 73%
HSV	112°, 38%, 90%
XYZ	46.5109, 65.4166, 35.7731
YIQ	197.2440, -17.0480, -43.4800

Conversions

Conversions Part 2

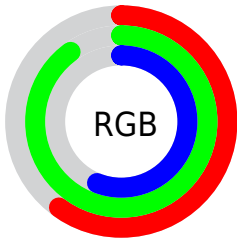
Format	Color
RYB	142, 230, 218
Decimal	10151566
CIELab	84.70, -40.03, 35.61
CIELCh	85, 53.579, 138.344
Yxy	65.4166, 0.3149, 0.4429
Android (android.graphics.Color)	4288341646 (0xFF9AE68E)
YUV	197.2440, -27.2353, -37.9250
Hunter-Lab	80.8805, -38.8932, 30.3927

Details

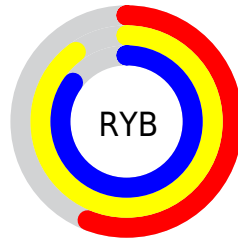
The Yxy color **65.4166, 0.3149, 0.4429** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.9683, 0.3063, 0.2315**, and the grayscale version is **56.1714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4001, 0.3184, 0.3915**, and **33.6629, 0.3126, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **63.0075, 0.3145, 0.4776**, and if you desaturate by 10%, it is **68.2962, 0.3148, 0.4094**.

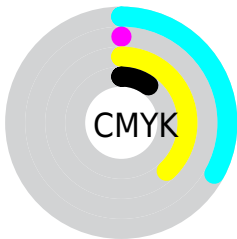
Distribution



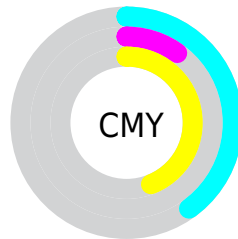
- Red (60%)
- Green (90%)
- Blue (56%)



- Red (56%)
- Yellow (90%)
- Blue (85%)



- Cyan (33%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)





- Cyan (40%)
- Magenta (10%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4166, 0.3149, 0.4429 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 65.4166, 0.3149, 0.4429 by changing the saturation by 10% instead.

 65.4166, 0.3149,
0.4429


 65.4166, 0.3149,
0.4429

444.2875, 0.3159,
0.3861

 47.7990, 0.3140,
0.4569


 112.6486, 0.3157,
0.4224

 33.6677, 0.3126,
0.4746


 143.0317, 0.3159,
0.4146

 22.6384, 0.3101,
0.4977


178.4388, 0.3160,
0.4081

 14.3268, 0.3055,
0.5291

219.2543, 0.3160,
0.4024

 8.3483, 0.2969,
0.5732

265.8625, 0.3160,
0.3975

 4.3186, 0.2819,
0.6452

318.6478, 0.3160,

 1.8533, 0.2350,

0.3932

0.7650

377.9947, 0.3160,
0.3894

■ 0.5201, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4166, 0.3149,
0.4429

■ 65.4166, 0.3149,
0.4429

■ 63.0075, 0.3145,
0.4776

■ 68.2962, 0.3148,
0.4094

■ 61.0360, 0.3134,
0.5116

■ 71.6608, 0.3143,
0.3782

■ 59.4777, 0.3116,
0.5425

■ 75.5344, 0.3135,
0.3499


■ 58.3027, 0.3092,
0.5680


■ 79.9372, 0.3125,
0.3248

 57.4767, 0.3064,
0.5860

 84.7574, 0.3127,
0.3048

 56.9567, 0.3036,
0.5961

 85.0728, 0.3138,
0.3048

 56.8903, 0.3032,
0.5974

Harmonies

Analogous

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



65.4166, 0.3786, 0.4487



65.4166, 0.3149, 0.4429



65.4166, 0.2539, 0.3932

Triad

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



65.4166, 0.3149, 0.4429



65.4166, 0.2056, 0.2333



65.4166, 0.4239, 0.3198

Complementary

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



65.4166, 0.3149, 0.4429



39.9683, 0.3063, 0.2315

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.



65.4166, 0.3673, 0.2744



65.4166, 0.3149, 0.4429



65.4166, 0.2411, 0.2263

Square

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



65.4166, 0.3149, 0.4429



65.4166, 0.1953, 0.2657



65.4166, 0.2988, 0.2413



65.4166, 0.4460, 0.3704

Rectangle

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



65.4166, 0.3149, 0.4429



65.4166, 0.2229, 0.3466



65.4166, 0.2988, 0.2413



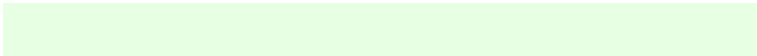
65.4166, 0.4080, 0.3038

Sweetspot

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



65.4194, 0.3149, 0.4429



94.0155, 0.3138, 0.3575



68.2998, 0.3750, 0.4113



19.9775, 0.3139, 0.3613



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.



65.4194, 0.3149, 0.4429



80.1883, 0.3146, 0.4707



65.3551, 0.2902, 0.4036



16.1830, 0.3136, 0.3531



32.2389, 0.3038, 0.5970



2.4126, 0.3113, 0.5910

Inverse Universe

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



39.9683, 0.3063, 0.2315



43.6592, 0.3042, 0.2119



40.3076, 0.3461, 0.2650



14.5102, 0.3116, 0.3057



10.1173, 0.2867, 0.1353



0.7753, 0.2920, 0.1382

Previews

White Background



This preview shows how the Yxy color 65.4166, 0.3149, 0.4429 looks on a white background.

Color Contrast Check

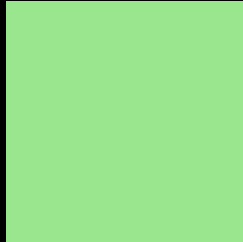
Large Text (above 18pt) WCAG AA × Fail

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 65.4166, 0.3149, 0.4429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

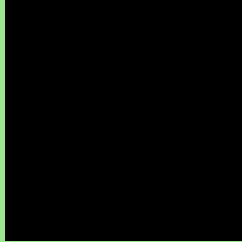
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.4166, 0.3149, 0.4429

Background



This preview shows how black text looks on a background with the Yxy color 65.4166, 0.3149, 0.4429.



This preview shows how white text looks on a background with the Yxy color 65.4166, 0.3149, 0.4429.

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

65.4166, 0.3149, 0.4429

Protanopia

64.4724, 0.3825, 0.4133

Deuteranopia

64.7032, 0.3931, 0.3860



Tritanopia

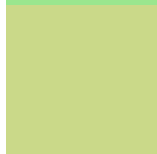
65.3771, 0.2706, 0.3090

Trichromacy



Original Color

65.4166, 0.3149, 0.4429



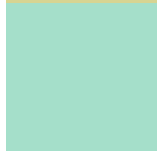
Protanomaly

63.9884, 0.3559, 0.4242



Deuteranomaly

63.6094, 0.3619, 0.4056



Tritanomaly

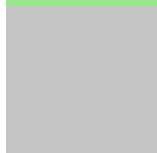
65.0390, 0.2868, 0.3549

Monochromacy



Original Color

65.4166, 0.3149, 0.4429



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.5990, 0.3138, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4166, 0.3149, 0.4429 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(154, 230, 142)` looks like.

```
.text, #text, p{  
    color:rgb(154, 230, 142)  
}
```

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(154, 230, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 230, 142) }
```

Border

The CSS property to change the border of an element to Yxy 65.4166, 0.3149, 0.4429 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(154, 230, 142) }
```

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

```
.border{ border-color:rgb(154, 230, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 230, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 230, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 230, 142);  
box-shadow:4px 4px 4px 4px rgb(154, 230,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4166, 0.3149, 0.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 230, 142) }
```

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

```
.background{ background-color: rgb(154,  
230, 142) }
```

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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