

Converting Colors

Yxy(63.8469, 0.3167, 0.4635)

Have a look what the booklet for
Yxy(63.8469, 0.3167, 0.4635)
contains.

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Color

Yxy(64.1719, 0.3167, 0.4632)

Conversions

Conversions Part 1

Format	Color
Hex	91E680
RGB	145, 230, 128
RGB Percent	57%, 90%, 50%
CMY	0.4312, 0.0980, 0.4981
CMYK	0.37, 0.00, 0.44, 0.10
HSL	110°, 67%, 70%
HSV	110°, 44%, 90%
XYZ	43.8757, 64.1719, 30.4927
YIQ	192.9570, -17.9180, -49.7420

Conversions

Conversions Part 2

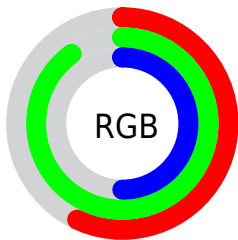
Format	Color
RYB	128, 230, 213
Decimal	9561728
CIELab	84.06, -44.85, 41.66
CIELCh	84, 61.210, 137.111
Yxy	64.1719, 0.3167, 0.4632
Android (android.graphics.Color)	4287751808 (0xFF91E680)
YUV	192.9570, -32.0238, -42.0583
Hunter-Lab	80.1074, -42.4214, 33.5065

Details

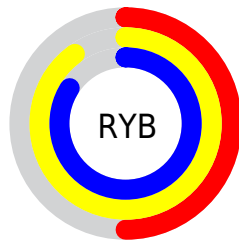
The Yxy color **64.1719, 0.3167, 0.4632** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.2874, 0.3018, 0.2155**, and the grayscale version is **53.5083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4540, 0.3211, 0.4095**, and **32.9178, 0.3135, 0.5019** is the 20% darker color. If you saturate the color by 10%, you get **62.0395, 0.3161, 0.4974**, and if you desaturate by 10%, it is **66.7404, 0.3165, 0.4291**.

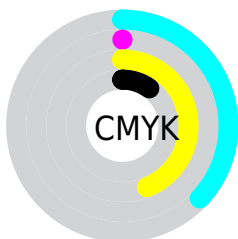
Distribution



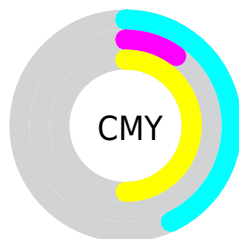
- Red (57%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (44%)
- Black (10%)





- Cyan (43%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1719, 0.3167, 0.4632 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 64.1719, 0.3167, 0.4632 by changing the saturation by 10% instead.


 64.1719, 0.3167,
0.4632


 64.1719, 0.3167,
0.4632

439.8101, 0.3177,
0.3957

 46.7899, 0.3155,
0.4798


 110.8585, 0.3177,
0.4388

 32.8696, 0.3135,
0.5009


 140.9318, 0.3179,
0.4296

 22.0266, 0.3100,
0.5283


 176.0045, 0.3180,
0.4218

 13.8764, 0.3035,
0.5651

216.4607, 0.3180,
0.4151

 8.0348, 0.2911,
0.6161

262.6850, 0.3180,
0.4093

 4.1172, 0.2783,
0.7217

315.0618, 0.3179,

 1.7393, 0.1809,

0.4042

0.8191

373.9753, 0.3178,
0.3997

0.4489, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.1719, 0.3167,
0.4632

64.1719, 0.3167,
0.4632

62.0395, 0.3161,
0.4974

66.7404, 0.3165,
0.4291

60.3110, 0.3148,
0.5295


69.7590, 0.3158,
0.3966


58.9624, 0.3126,
0.5573


73.2511, 0.3147,
0.3667

57.9640, 0.3096,
0.5784

77.2359, 0.3134,
0.3398

 57.2811, 0.3063,
0.5917

 81.7319, 0.3119,
0.3159

 57.0130, 0.3045,
0.5964

 85.0723, 0.3138,
0.3048

Harmonies

Analogous

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



64.1719, 0.3889, 0.4650



64.1719, 0.3167, 0.4632



64.1719, 0.2473, 0.4068

Triad

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



64.1719, 0.3167, 0.4632



64.1719, 0.1910, 0.2214



64.1719, 0.4386, 0.3150

Complementary

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



64.1719, 0.3167, 0.4632



35.2874, 0.3018, 0.2155

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.



64.1719, 0.3719, 0.2652



64.1719, 0.3167, 0.4632



64.1719, 0.2292, 0.2133

Square

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



64.1719, 0.3167, 0.4632



64.1719, 0.1807, 0.2578



64.1719, 0.2932, 0.2292



64.1719, 0.4651, 0.3711

Rectangle

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



64.1719, 0.3167, 0.4632



64.1719, 0.2121, 0.3519



64.1719, 0.2932, 0.2292



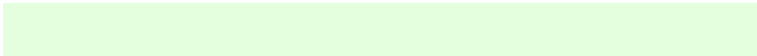
64.1719, 0.4197, 0.2974

Sweetspot

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



64.1746, 0.3167, 0.4632



93.1806, 0.3146, 0.3631



65.1171, 0.3868, 0.4205



19.7197, 0.3148, 0.3694



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.



64.1746, 0.3167, 0.4632



78.6627, 0.3162, 0.4938



63.7293, 0.2891, 0.4229



16.2043, 0.3141, 0.3531



32.3138, 0.3052, 0.5959



2.4227, 0.3138, 0.5891

Inverse Universe

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



35.2874, 0.3018, 0.2155



37.8405, 0.2985, 0.1942



36.3224, 0.3497, 0.2515



14.4869, 0.3111, 0.3057



9.5918, 0.2791, 0.1311



0.7413, 0.2855, 0.1347

Previews

White Background



This preview shows how the Yxy color 64.1719, 0.3167, 0.4632 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 64.1719, 0.3167, 0.4632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

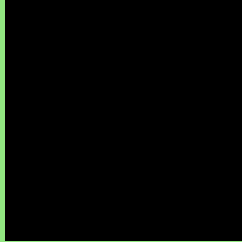
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1719, 0.3167, 0.4632

Background



This preview shows how black text looks on a background with the Yxy color 64.1719, 0.3167, 0.4632.



This preview shows how white text looks on a background with the Yxy color 64.1719, 0.3167, 0.4632.

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

64.1719, 0.3167, 0.4632

Protanopia

63.6150, 0.3924, 0.4267

Deuteranopia

63.1053, 0.4052, 0.3959



Tritanopia

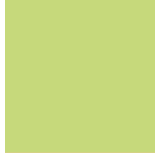
64.0335, 0.2669, 0.3087

Trichromacy



Original Color

64.1719, 0.3167, 0.4632



Protanomaly

63.0615, 0.3616, 0.4412



Deuteranomaly

61.7562, 0.3698, 0.4201



Tritanomaly

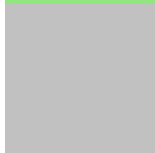
63.3962, 0.2853, 0.3618

Monochromacy



Original Color

64.1719, 0.3167, 0.4632



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.2373, 0.3158, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1719, 0.3167, 0.4632 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(145, 230, 128)` looks like.

```
.text, #text, p{  
    color:rgb(145, 230, 128)  
}
```

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(145, 230, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 230, 128) }
```

Border

The CSS property to change the border of an element to Yxy 64.1719, 0.3167, 0.4632 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(145, 230, 128) }
```

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

```
.border{ border-color:rgb(145, 230, 128) }
```

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

Here you see how a box with a 4 pixel rgb(145, 230, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 230, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 230, 128);  
box-shadow:4px 4px 4px 4px rgb(145, 230,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1719, 0.3167, 0.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 230, 128) }
```

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

```
.background{ background-color: rgb(145,  
230, 128) }
```

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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