

Converting Colors

$Yxy(64.0764, 0.3324, 0.4467)$

Have a look what the booklet for
Yxy(64.0764, 0.3324, 0.4467)
contains.

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Color

Yxy(64.0624, 0.3324, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	AAE184
RGB	170, 225, 132
RGB Percent	67%, 88%, 52%
CMY	0.3333, 0.1176, 0.4824
CMYK	0.24, 0.00, 0.41, 0.12
HSL	95°, 61%, 70%
HSV	95°, 41%, 88%
XYZ	47.6703, 64.0624, 31.6798
YIQ	197.9530, -2.9270, -40.5830

Conversions

Conversions Part 2

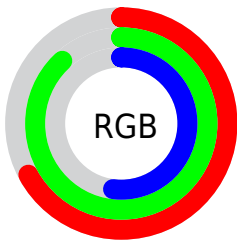
Format	Color
RYB	132, 225, 187
Decimal	11198852
CIELab	84.00, -33.77, 39.88
CIElCh	84, 52.259, 130.254
Yxy	64.0624, 0.3324, 0.4467
Android (android.graphics.Color)	4289388932 (0xFFAAE184)
YUV	197.9530, -32.5148, -24.5148
Hunter-Lab	80.0390, -33.7556, 32.5600

Details

The Yxy color **64.0624, 0.3324, 0.4467** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.4993, 0.2820, 0.2165**, and the grayscale version is **56.6478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3961, 0.3350, 0.4013**, and **32.6830, 0.3342, 0.4775** is the 20% darker color. If you saturate the color by 10%, you get **62.1058, 0.3352, 0.4779**, and if you desaturate by 10%, it is **66.3074, 0.3285, 0.4156**.

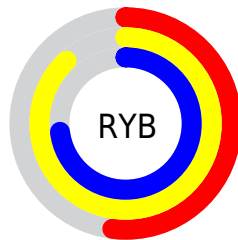
Distribution



Red (67%)

Green (88%)

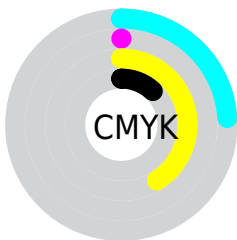
Blue (52%)



Red (52%)

Yellow (88%)

Blue (73%)

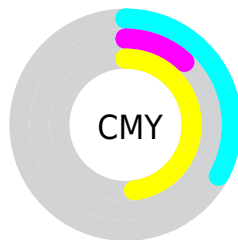


Cyan (24%)

Magenta (0%)

Yellow (41%)

Black (12%)



Cyan (33%)


Magenta (12%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0624, 0.3324, 0.4467 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 64.0624, 0.3324, 0.4467 by changing the saturation by 10% instead.


 64.0624, 0.3324,
0.4467


 64.0624, 0.3324,
0.4467


439.4149, 0.3253,
0.3883


 46.7012, 0.3333,
0.4609

 110.7008, 0.3304,
0.4257

 32.7995, 0.3340,
0.4788


 140.7468, 0.3295,
0.4178

 21.9729, 0.3341,
0.5019


 175.7899, 0.3287,
0.4110

 13.8370, 0.3327,
0.5327

216.2144, 0.3279,
0.4052

 8.0074, 0.3278,
0.5751

262.4048, 0.3271,
0.4001

 4.0997, 0.3252,
0.6580

314.7454, 0.3265,

 1.7295, 0.2727,

0.3957

0.7273

373.6206, 0.3259,
0.3918

0.4426, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.0624, 0.3324,
0.4467

64.0624, 0.3324,
0.4467

62.1058, 0.3352,
0.4779

66.3074, 0.3285,
0.4156

60.4161, 0.3364,
0.5076


68.8446, 0.3238,
0.3858


58.9820, 0.3359,
0.5341

71.6881, 0.3187,
0.3578


57.7874, 0.3333,
0.5559


74.8484, 0.3134,
0.3322

 56.8139, 0.3290,
0.5716

 78.3359, 0.3082,
0.3091

 56.1259, 0.3243,
0.5807

 81.3631, 0.3106,
0.2996

 82.3311, 0.3141,
0.2999

Harmonies

Analogous

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



64.0624, 0.3928, 0.4412



64.0624, 0.3324, 0.4467



64.0624, 0.2699, 0.4085

Triad

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



64.0624, 0.3324, 0.4467



64.0624, 0.2020, 0.2410



64.0624, 0.4095, 0.3072

Complementary

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



64.0624, 0.3324, 0.4467



32.4993, 0.2820, 0.2165

Split Complementary

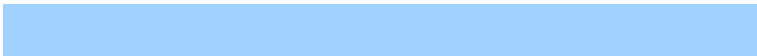
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.0624, 0.3484, 0.2650



64.0624, 0.3324, 0.4467



64.0624, 0.2305, 0.2275

Square

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



64.0624, 0.3324, 0.4467



64.0624, 0.1988, 0.2799



64.0624, 0.2821, 0.2367



64.0624, 0.4418, 0.3564

Rectangle

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



64.0624, 0.3324, 0.4467



64.0624, 0.2355, 0.3652



64.0624, 0.2821, 0.2367



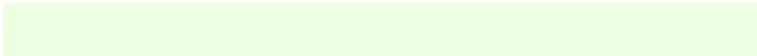
64.0624, 0.3913, 0.2920

Sweetspot

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



64.0652, 0.3324, 0.4467



94.9127, 0.3191, 0.3598



52.8962, 0.3914, 0.3919



20.2047, 0.3198, 0.3634



0.0000, 0.0000, 0.0000



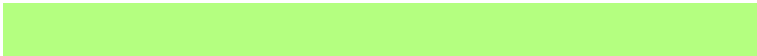
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0652, 0.3324, 0.4467



82.7240, 0.3350, 0.4748



60.6422, 0.3025, 0.4457



15.6094, 0.3177, 0.3528



32.4063, 0.3254, 0.5799



2.2976, 0.3375, 0.5702

Inverse Universe

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



32.4993, 0.2820, 0.2165



35.2068, 0.2730, 0.1911



37.5317, 0.3247, 0.2350



13.6417, 0.3073, 0.3054



6.0765, 0.2215, 0.0994



0.4732, 0.2365, 0.1077

Previews

White Background



This preview shows how the Yxy color 64.0624, 0.3324, 0.4467 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 64.0624, 0.3324, 0.4467 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 64.0624, 0.3324, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 64.0624, 0.3324, 0.4467.

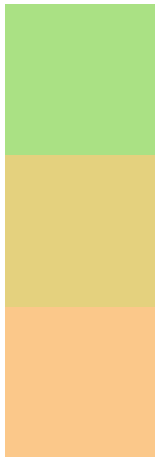


This preview shows how white text looks on a background with the Yxy color 64.0624, 0.3324, 0.4467.

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

64.0624, 0.3324, 0.4467

Protanopia

63.6013, 0.3876, 0.4209

Deuteranopia

63.6528, 0.4024, 0.3939



Tritanopia

63.6160, 0.2823, 0.3091

Trichromacy



Original Color

64.0624, 0.3324, 0.4467



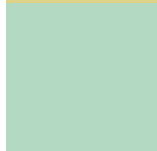
Protanomaly

63.4248, 0.3664, 0.4309



Deuteranomaly

62.9081, 0.3757, 0.4120



Tritanomaly

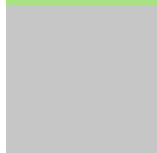
63.2240, 0.3015, 0.3571

Monochromacy



Original Color

64.0624, 0.3324, 0.4467



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.8591, 0.3213, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0624, 0.3324, 0.4467 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(170, 225, 132)` looks like.

```
.text, #text, p{  
    color:rgb(170, 225, 132)  
}
```

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(170, 225, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 225, 132) }
```

Border

The CSS property to change the border of an element to Yxy 64.0624, 0.3324, 0.4467 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(170, 225, 132) }
```

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

```
.border{ border-color:rgb(170, 225, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 225, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 225, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 225, 132); box-shadow:4px 4px 4px 4px rgb(170, 225, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0624, 0.3324, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 225, 132) }
```

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

```
.background{ background-color: rgb(170,  
225, 132) }
```

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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