

Converting Colors

Yxy(64.0658, 0.3333, 0.4497)

Have a look what the booklet for
Yxy(64.0658, 0.3333, 0.4497)
contains.

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Color

Yxy(64.0082, 0.3335, 0.4492)

Conversions

Conversions Part 1

Format	Color
Hex	AAE182
RGB	170, 225, 130
RGB Percent	67%, 88%, 51%
CMY	0.3336, 0.1176, 0.4902
CMYK	0.24, 0.00, 0.42, 0.12
HSL	95°, 61%, 70%
HSV	95°, 42%, 88%
XYZ	47.5217, 64.0082, 30.9639
YIQ	197.7250, -2.2850, -41.2050

Conversions

Conversions Part 2

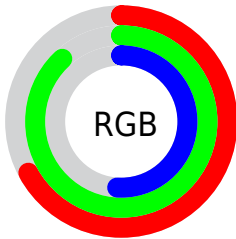
Format	Color
RYB	130, 225, 185
Decimal	11198850
CIELab	83.97, -34.06, 40.84
CIElCh	84, 53.180, 129.827
Yxy	64.0082, 0.3335, 0.4492
Android (android.graphics.Color)	4289388930 (0xFFAAE182)
YUV	197.7250, -33.3884, -24.3148
Hunter-Lab	80.0051, -33.9830, 33.0569

Details

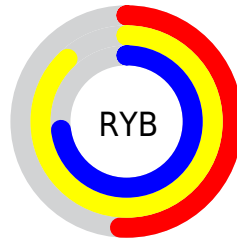
The Yxy color **64.0082, 0.3335, 0.4492** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.7215, 0.2801, 0.2136**, and the grayscale version is **56.4977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3116, 0.3361, 0.4034**, and **32.6535, 0.3355, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **62.0899, 0.3363, 0.4801**, and if you desaturate by 10%, it is **66.2083, 0.3295, 0.4182**.

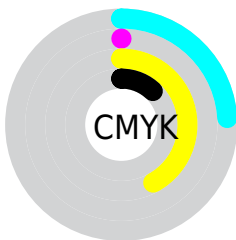
Distribution



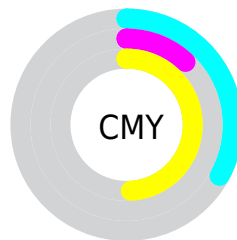
- Red (67%)
- Green (88%)
- Blue (51%)



- Red (51%)
- Yellow (88%)
- Blue (73%)



- Cyan (24%)
- Magenta (0%)
- Yellow (42%)
- Black (12%)




- Cyan (33%)
- Magenta (12%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0082, 0.3335, 0.4492 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 64.0082, 0.3335, 0.4492 by changing the saturation by 10% instead.


 64.0082, 0.3335,
0.4492

 64.0082, 0.3335,
0.4492


439.2193, 0.3260,
0.3896


 46.6573, 0.3345,
0.4637


 110.6227, 0.3314,
0.4278

 32.7648, 0.3352,
0.4819


 140.6552, 0.3305,
0.4197

 21.9464, 0.3353,
0.5054


 175.6836, 0.3296,
0.4128

 13.8175, 0.3339,
0.5367

216.0924, 0.3287,
0.4068

 7.9938, 0.3287,
0.5795

262.2660, 0.3279,
0.4017

 4.0910, 0.3274,
0.6670

314.5887, 0.3272,

 1.7246, 0.2702,

0.3971

0.7298

373.4450, 0.3266,
0.3931

0.4395, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.0082, 0.3335,
0.4492

64.0082, 0.3335,
0.4492

62.0899, 0.3363,
0.4801

66.2083, 0.3295,
0.4182

60.4323, 0.3376,
0.5094


68.6939, 0.3247,
0.3883

59.0239, 0.3370,
0.5355


71.4788, 0.3194,
0.3602

57.8490, 0.3344,
0.5565

74.5736, 0.3139,
0.3344

 56.8893, 0.3299,
0.5716

 77.9882, 0.3085,
0.3111

 56.2719, 0.3256,
0.5797

 81.0713, 0.3094,
0.2995

 82.3402, 0.3141,
0.2999

Harmonies

Analogous

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



64.0082, 0.3948, 0.4427



64.0082, 0.3335, 0.4492



64.0082, 0.2699, 0.4109

Triad

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



64.0082, 0.3335, 0.4492



64.0082, 0.2001, 0.2398



64.0082, 0.4105, 0.3061

Complementary

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



64.0082, 0.3335, 0.4492



31.7215, 0.2801, 0.2136

Split Complementary

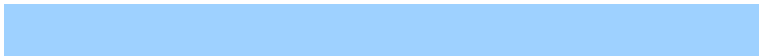
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.0082, 0.3479, 0.2635



64.0082, 0.3335, 0.4492



64.0082, 0.2286, 0.2259

Square

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



64.0082, 0.3335, 0.4492



64.0082, 0.1972, 0.2797



64.0082, 0.2807, 0.2350



64.0082, 0.4439, 0.3559

Rectangle

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



64.0082, 0.3335, 0.4492



64.0082, 0.2349, 0.3668



64.0082, 0.2807, 0.2350



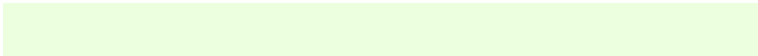
64.0082, 0.3918, 0.2907

Sweetspot

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



64.0110, 0.3335, 0.4492



94.5823, 0.3199, 0.3625



51.8356, 0.3942, 0.3915



20.0627, 0.3210, 0.3686



0.0000, 0.0000, 0.0000



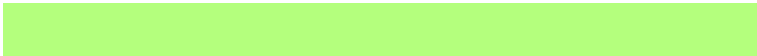
21.4041, 0.3127, 0.3290

Same Dimension

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



64.0110, 0.3335, 0.4492



82.6579, 0.3361, 0.4774



60.3918, 0.3032, 0.4509



15.6174, 0.3179, 0.3528



32.4859, 0.3267, 0.5788



2.3035, 0.3389, 0.5691

Inverse Universe

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



31.7215, 0.2801, 0.2136



34.1985, 0.2706, 0.1878



37.0701, 0.3235, 0.2316



13.6336, 0.3071, 0.3054



5.9560, 0.2190, 0.0980



0.4651, 0.2343, 0.1064

Previews

White Background



This preview shows how the Yxy color 64.0082, 0.3335, 0.4492 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 64.0082, 0.3335, 0.4492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

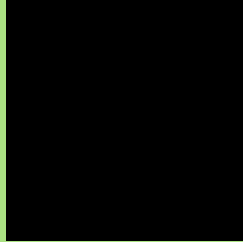
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0082, 0.3335, 0.4492

Background



This preview shows how black text looks on a background with the Yxy color 64.0082, 0.3335, 0.4492.



This preview shows how white text looks on a background with the Yxy color 64.0082, 0.3335, 0.4492.

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

64.0082, 0.3335, 0.4492

Protanopia

63.5501, 0.3889, 0.4230

Deuteranopia

63.1337, 0.4044, 0.3949



Tritanopia

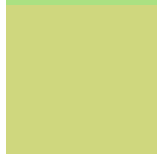
63.6160, 0.2823, 0.3091

Trichromacy



Original Color

64.0082, 0.3335, 0.4492



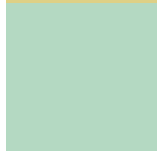
Protanomaly

63.3726, 0.3677, 0.4332



Deuteranomaly

62.3626, 0.3775, 0.4132



Tritanomaly

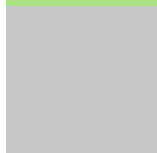
63.2240, 0.3015, 0.3571

Monochromacy



Original Color

64.0082, 0.3335, 0.4492



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.8202, 0.3220, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0082, 0.3335, 0.4492 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(170, 225, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 225, 130) }
```

Border

The CSS property to change the border of an element to Yxy 64.0082, 0.3335, 0.4492 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, 130) }
```

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

```
.border{ border-color:rgb(170, 225, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 225, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 225, 130); box-shadow:4px 4px 4px 4px rgb(170, 225, 130) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0082, 0.3335, 0.4492 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, 130) }
```

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

```
.background{ background-color: rgb(170,  
225, 130) }
```

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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