

Converting Colors

$Yxy(64.3704, 0.3446, 0.4468)$

Have a look what the booklet for
Yxy(64.3704, 0.3446, 0.4468)
contains.

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Color

Yxy(64.2527, 0.3447, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	B6DF7F
RGB	182, 223, 127
RGB Percent	71%, 87%, 50%
CMY	0.2862, 0.1255, 0.5019
CMYK	0.18, 0.00, 0.43, 0.13
HSL	86°, 60%, 69%
HSV	86°, 43%, 87%
XYZ	49.5147, 64.2527, 29.8783
YIQ	199.7970, 6.3800, -38.5480

Conversions

Conversions Part 2

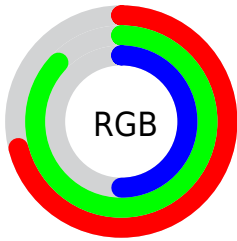
Format	Color
RYB	127, 223, 168
Decimal	11984767
CIELab	84.10, -29.14, 42.62
CIELCh	84, 51.624, 124.360
Yxy	64.2527, 0.3447, 0.4473
Android (android.graphics.Color)	4290174847 (0xFFB6DF7F)
YUV	199.7970, -35.8889, -15.6080
Hunter-Lab	80.1578, -30.0140, 34.0105

Details

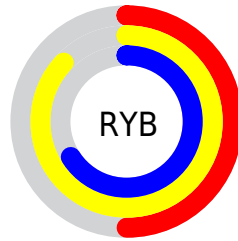
The Yxy color **64.2527, 0.3447, 0.4473** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.8377, 0.2660, 0.2070**, and the grayscale version is **57.8543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2069, 0.3459, 0.4045**, and **33.0391, 0.3485, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **62.6165, 0.3499, 0.4758**, and if you desaturate by 10%, it is **66.1020, 0.3382, 0.4182**.

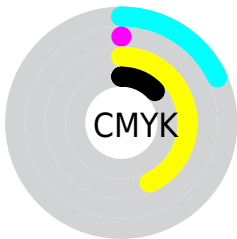
Distribution



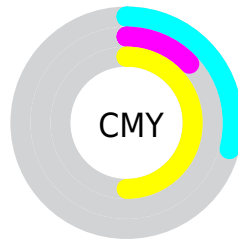
- Red (71%)
- Green (87%)
- Blue (50%)



- Red (50%)
- Yellow (87%)
- Blue (66%)



- Cyan (18%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)





- Cyan (29%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2527, 0.3447, 0.4473 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 64.2527, 0.3447, 0.4473 by changing the saturation by 10% instead.


 64.2527, 0.3447,
0.4473


 64.2527, 0.3447,
0.4473

440.1016, 0.3318,
0.3892


 46.8554, 0.3469,
0.4612


 110.9748, 0.3408,
0.4266

 32.9213, 0.3492,
0.4786


 141.0683, 0.3391,
0.4187

 22.0662, 0.3512,
0.5009


 176.1628, 0.3375,
0.4119

 13.9055, 0.3522,
0.5300

216.6424, 0.3362,
0.4061

 8.0550, 0.3502,
0.5692

262.8918, 0.3349,
0.4010

 4.1302, 0.3533,
0.6467

315.2951, 0.3338,

 1.7466, 0.3065,

0.3966

0.6935

374.2370, 0.3328,
0.3927

■ 0.4536, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2527, 0.3447,
0.4473

■ 64.2527, 0.3447,
0.4473

■ 62.6165, 0.3499,
0.4758

■ 66.1020, 0.3382,
0.4182

■ 61.1749, 0.3532,
0.5022


■ 68.1654, 0.3308,
0.3895

■ 59.9194, 0.3544,
0.5253

■ 70.4542, 0.3230,
0.3621


■ 58.8373, 0.3532,
0.5437


■ 72.9766, 0.3151,
0.3364

 57.9134, 0.3497,
0.5567

 75.7402, 0.3073,
0.3128

 57.3476, 0.3463,
0.5632

 78.3715, 0.3034,
0.2969

 80.0741, 0.3098,
0.2975

 81.2549, 0.3142,
0.2980

Harmonies

Analogous

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



64.2527, 0.4019, 0.4346



64.2527, 0.3447, 0.4473



64.2527, 0.2820, 0.4178

Triad

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



64.2527, 0.3447, 0.4473



64.2527, 0.2006, 0.2476



64.2527, 0.3980, 0.2986

Complementary

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



64.2527, 0.3447, 0.4473



28.8377, 0.2660, 0.2070

Split Complementary

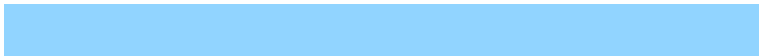
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.2527, 0.3347, 0.2590



64.2527, 0.3447, 0.4473



64.2527, 0.2240, 0.2294

Square

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



64.2527, 0.3447, 0.4473



64.2527, 0.2026, 0.2912



64.2527, 0.2710, 0.2343



64.2527, 0.4369, 0.3465

Rectangle

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



64.2527, 0.3447, 0.4473



64.2527, 0.2456, 0.3780



64.2527, 0.2710, 0.2343



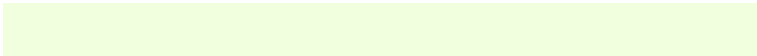
64.2527, 0.3784, 0.2841

Sweetspot

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



64.2555, 0.3447, 0.4473



95.4596, 0.3231, 0.3622



44.8632, 0.4035, 0.3765



20.2790, 0.3248, 0.3682



0.0000, 0.0000, 0.0000



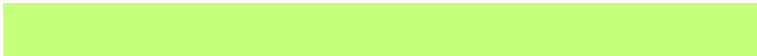
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2555, 0.3447, 0.4473



84.9932, 0.3496, 0.4740



59.4606, 0.3115, 0.4605



15.7230, 0.3202, 0.3526



33.7877, 0.3473, 0.5624



2.3945, 0.3581, 0.5539

Inverse Universe

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



28.8377, 0.2660, 0.2070



30.8230, 0.2527, 0.1784



34.9599, 0.3100, 0.2214



13.5279, 0.3047, 0.3052



4.6335, 0.1893, 0.0816



0.3732, 0.2067, 0.0912

Previews

White Background



This preview shows how the Yxy color 64.2527, 0.3447, 0.4473 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 64.2527, 0.3447, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

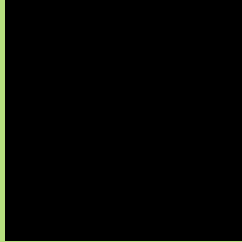
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2527, 0.3447, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 64.2527, 0.3447, 0.4473.

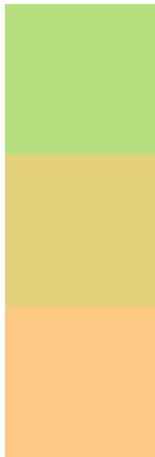


This preview shows how white text looks on a background with the Yxy color 64.2527, 0.3447, 0.4473.

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

64.2527, 0.3447, 0.4473

Protanopia

63.6641, 0.3911, 0.4247

Deuteranopia

63.6699, 0.4077, 0.3996



Tritanopia

63.9257, 0.2908, 0.3095

Trichromacy



Original Color

64.2527, 0.3447, 0.4473

Protanomaly

63.5454, 0.3735, 0.4328

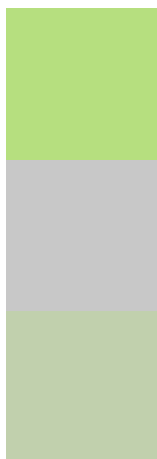
Deuteranomaly

63.0543, 0.3845, 0.4161

Tritanomaly

63.4388, 0.3114, 0.3579

Monochromacy



Original Color

64.2527, 0.3447, 0.4473

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.4663, 0.3259, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2527, 0.3447, 0.4473 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(182, 223, 127)` looks like.

```
.text, #text, p{  
    color:rgb(182, 223, 127)  
}
```

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(182, 223, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 223, 127) }
```

Border

The CSS property to change the border of an element to Yxy 64.2527, 0.3447, 0.4473 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(182, 223, 127) }
```

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

```
.border{ border-color:rgb(182, 223, 127) }
```

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

Here you see how a box with a 4 pixel rgb(182, 223, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 223, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 223, 127);  
box-shadow:4px 4px 4px 4px rgb(182, 223,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2527, 0.3447, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 223, 127) }
```

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

```
.background{ background-color: rgb(182,  
223, 127) }
```

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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