

Converting Colors

Yxy(65.7914, 0.3219, 0.4493)

Have a look what the booklet for
Yxy(65.7914, 0.3219, 0.4493)
contains.

Yxy(65.7421, 0.3216, 0.4494)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.7421, 0.3216, 0.4494)

Conversions

Conversions Part 1

Format	Color
Hex	9FE688
RGB	159, 230, 136
RGB Percent	62%, 90%, 53%
CMY	0.3763, 0.0981, 0.4667
CMYK	0.31, 0.00, 0.41, 0.10
HSL	105°, 65%, 72%
HSV	105°, 41%, 90%
XYZ	47.0464, 65.7421, 33.5001
YIQ	198.0550, -12.1420, -44.2860

Conversions

Conversions Part 2

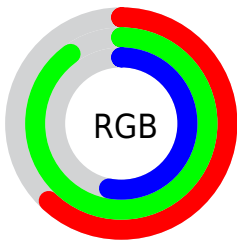
Format	Color
RYB	136, 230, 207
Decimal	10479240
CIELab	84.86, -39.24, 38.89
CIElCh	85, 55.247, 135.262
Yxy	65.7421, 0.3216, 0.4494
Android (android.graphics.Color)	4288669320 (0xFF9FE688)
YUV	198.0550, -30.5931, -34.2512
Hunter-Lab	81.0815, -38.3205, 32.2605

Details

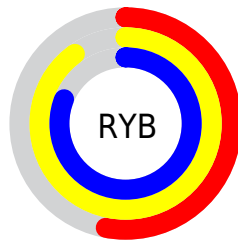
The Yxy color **65.7421, 0.3216, 0.4494** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.5765, 0.2963, 0.2220**, and the grayscale version is **56.7100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8366, 0.3255, 0.3986**, and **33.8553, 0.3205, 0.4834** is the 20% darker color. If you saturate the color by 10%, you get **63.5071, 0.3222, 0.4828**, and if you desaturate by 10%, it is **68.3722, 0.3201, 0.4165**.

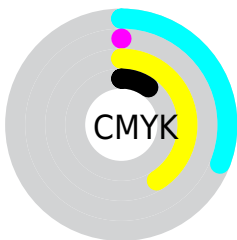
Distribution



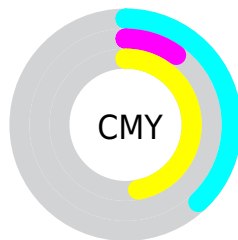
- Red (62%)
- Green (90%)
- Blue (53%)



- Red (53%)
- Yellow (90%)
- Blue (81%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (10%)




- Cyan (38%)
- Magenta (10%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7421, 0.3216, 0.4494 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 65.7421, 0.3216, 0.4494 by changing the saturation by 10% instead.


 65.7421, 0.3216,
0.4494


 65.7421, 0.3216,
0.4494


445.4540, 0.3197,
0.3895

 48.0631, 0.3213,
0.4640

 113.1161, 0.3215,
0.4278

 33.8768, 0.3205,
0.4825


 143.5799, 0.3213,
0.4197

 22.7990, 0.3187,
0.5065


 179.0740, 0.3210,
0.4127

 14.4452, 0.3149,
0.5388

219.9829, 0.3208,
0.4068

 8.4309, 0.3069,
0.5835

266.6909, 0.3205,
0.4016

 4.3719, 0.2955,
0.6623


319.5825, 0.3202,

 1.8837, 0.2434,


0.3971


0.7566


379.0421, 0.3200,
0.3930


 0.5386, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.7421, 0.3216,
0.4494


 65.7421, 0.3216,
0.4494


 63.5071, 0.3222,
0.4828


 68.3722, 0.3201,
0.4165


 61.6395, 0.3217,
0.5150


 71.4070, 0.3181,
0.3854


 60.1208, 0.3200,
0.5439


 74.8662, 0.3156,
0.3569


 58.9276, 0.3170,
0.5673

 78.7655, 0.3130,
0.3311

 58.0330, 0.3130,
0.5837

 83.1200, 0.3102,
0.3082

 57.4438, 0.3091,
0.5928

 85.0709, 0.3138,
0.3048

Harmonies

Analogous

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



65.7421, 0.3863, 0.4502



65.7421, 0.3216, 0.4494



65.7421, 0.2579, 0.4021

Triad

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



65.7421, 0.3216, 0.4494



65.7421, 0.2006, 0.2329



65.7421, 0.4225, 0.3142

Complementary

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



65.7421, 0.3216, 0.4494



36.5765, 0.2963, 0.2220

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.



65.7421, 0.3617, 0.2688



65.7421, 0.3216, 0.4494



65.7421, 0.2343, 0.2234

Square

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



65.7421, 0.3216, 0.4494



65.7421, 0.1928, 0.2686



65.7421, 0.2914, 0.2366



65.7421, 0.4494, 0.3657

Rectangle

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



65.7421, 0.3216, 0.4494



65.7421, 0.2246, 0.3546



65.7421, 0.2914, 0.2366



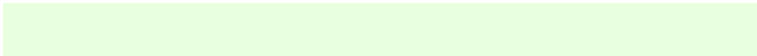
65.7421, 0.4050, 0.2980

Sweetspot

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



65.7449, 0.3216, 0.4494



94.0637, 0.3159, 0.3601



62.9812, 0.3834, 0.4075



20.0057, 0.3163, 0.3638



0.0000, 0.0000, 0.0000



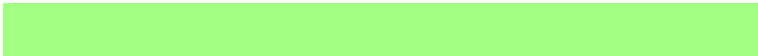
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7449, 0.3216, 0.4494



80.6791, 0.3222, 0.4775



64.3453, 0.2940, 0.4228



16.2590, 0.3152, 0.3530



32.5709, 0.3099, 0.5921



2.4495, 0.3201, 0.5840

Inverse Universe

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



36.5765, 0.2963, 0.2220



39.1017, 0.2915, 0.2004



38.9098, 0.3396, 0.2510



14.4278, 0.3099, 0.3056



8.3616, 0.2597, 0.1204



0.6605, 0.2690, 0.1256

Previews

White Background



This preview shows how the Yxy color 65.7421, 0.3216, 0.4494 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 65.7421, 0.3216, 0.4494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

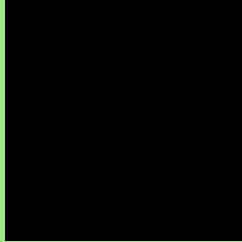
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7421, 0.3216, 0.4494

Background



This preview shows how black text looks on a background with the Yxy color 65.7421, 0.3216, 0.4494.

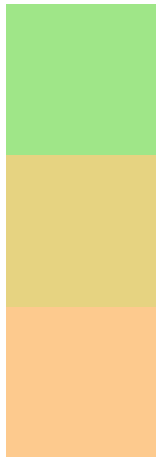


This preview shows how white text looks on a background with the Yxy color 65.7421, 0.3216, 0.4494.

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

65.7421, 0.3216, 0.4494

Protanopia

64.9965, 0.3863, 0.4192

Deuteranopia

65.0767, 0.4001, 0.3915



Tritanopia

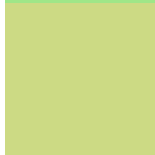
65.4290, 0.2735, 0.3079

Trichromacy



Original Color

65.7421, 0.3216, 0.4494



Protanomaly

64.6461, 0.3603, 0.4303



Deuteranomaly

64.0405, 0.3693, 0.4114



Tritanomaly

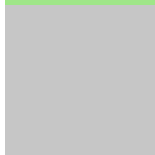
64.9587, 0.2911, 0.3560

Monochromacy



Original Color

65.7421, 0.3216, 0.4494



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3787, 0.3174, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7421, 0.3216, 0.4494 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(159, 230, 136)` looks like.

```
.text, #text, p{  
    color:rgb(159, 230, 136)  
}
```

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(159, 230, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 230, 136) }
```

Border

The CSS property to change the border of an element to Yxy 65.7421, 0.3216, 0.4494 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(159, 230, 136) }
```

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

```
.border{ border-color:rgb(159, 230, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 230, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 230, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 230, 136);  
box-shadow:4px 4px 4px 4px rgb(159, 230,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7421, 0.3216, 0.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 230, 136) }
```

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

```
.background{ background-color: rgb(159,  
230, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor