

Converting Colors

$Yxy(65.2891, 0.3203, 0.4505)$

Have a look what the booklet for
Yxy(65.2891, 0.3203, 0.4505)
contains.

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Color

Yxy(65.5110, 0.3208, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	9DE687
RGB	157, 230, 135
RGB Percent	62%, 90%, 53%
CMY	0.3842, 0.0980, 0.4707
CMYK	0.32, 0.00, 0.41, 0.10
HSL	106°, 66%, 72%
HSV	106°, 41%, 90%
XYZ	46.5779, 65.5110, 33.1040
YIQ	197.3430, -13.0130, -45.0210

Conversions

Conversions Part 2

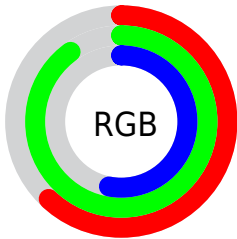
Format	Color
RYB	135, 230, 208
Decimal	10348167
CIELab	84.75, -40.05, 39.22
CIELCh	85, 56.054, 135.603
Yxy	65.5110, 0.3208, 0.4512
Android (android.graphics.Color)	4288538247 (0xFF9DE687)
YUV	197.3430, -30.7351, -35.3808
Hunter-Lab	80.9389, -38.9217, 32.4076

Details

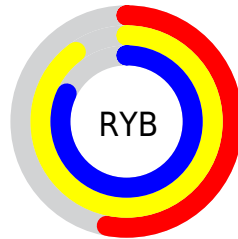
The Yxy color **65.5110, 0.3208, 0.4512** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.4389, 0.2972, 0.2212**, and the grayscale version is **56.2525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4903, 0.3248, 0.3999**, and **33.7214, 0.3195, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **63.2840, 0.3212, 0.4848**, and if you desaturate by 10%, it is **68.1404, 0.3196, 0.4181**.

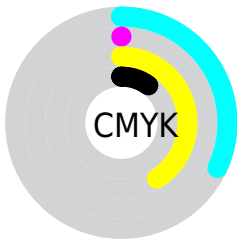
Distribution



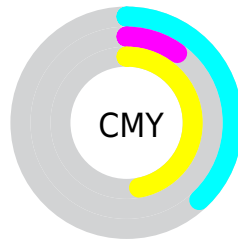
- Red (62%)
- Green (90%)
- Blue (53%)



- Red (53%)
- Yellow (90%)
- Blue (82%)



- Cyan (32%)
- Magenta (0%)
- Yellow (41%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5110, 0.3208, 0.4512 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 65.5110, 0.3208, 0.4512 by changing the saturation by 10% instead.

 65.5110, 0.3208,
0.4512


 65.5110, 0.3208,
0.4512


444.6260, 0.3194,
0.3903

 47.8756, 0.3204,
0.4661


 112.7842, 0.3209,
0.4293

 33.7283, 0.3194,
0.4849


 143.1907, 0.3207,
0.4210

 22.6850, 0.3174,
0.5094


 178.6231, 0.3205,
0.4139

 14.3611, 0.3132,
0.5422

219.4657, 0.3203,
0.4078

 8.3722, 0.3046,
0.5879

266.1029, 0.3201,
0.4026

 4.3340, 0.2929,
0.6698

318.9190, 0.3198,

 1.8621, 0.2356,

0.3980

0.7644

378.2986, 0.3196,
0.3939

■ 0.5255, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.5110, 0.3208,
0.4512

■ 65.5110, 0.3208,
0.4512

■ 63.2840, 0.3212,
0.4848

■ 68.1404, 0.3196,
0.4181

■ 61.4309, 0.3205,
0.5170


■ 71.1824, 0.3177,
0.3868


■ 59.9326, 0.3187,
0.5458

■ 74.6571, 0.3155,
0.3581

■ 58.7646, 0.3157,
0.5690

■ 78.5810, 0.3130,
0.3322

 57.8991, 0.3118,
0.5850

 82.9695, 0.3105,
0.3092

 57.3608, 0.3082,
0.5935

 85.0738, 0.3138,
0.3048

Harmonies

Analogous

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



65.5110, 0.3866, 0.4522



65.5110, 0.3208, 0.4512



65.5110, 0.2563, 0.4026

Triad

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



65.5110, 0.3208, 0.4512



65.5110, 0.1993, 0.2313



65.5110, 0.4248, 0.3145

Complementary

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



65.5110, 0.3208, 0.4512



36.4389, 0.2972, 0.2212

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.



65.5110, 0.3632, 0.2684



65.5110, 0.3208, 0.4512



65.5110, 0.2337, 0.2220

Square

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



65.5110, 0.3208, 0.4512



65.5110, 0.1911, 0.2671



65.5110, 0.2918, 0.2356



65.5110, 0.4516, 0.3666

Rectangle

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



65.5110, 0.3208, 0.4512



65.5110, 0.2228, 0.3541



65.5110, 0.2918, 0.2356



65.5110, 0.4071, 0.2981

Sweetspot

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



65.5138, 0.3208, 0.4512



93.9959, 0.3157, 0.3602



63.6004, 0.3836, 0.4099



19.9899, 0.3160, 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.



65.5138, 0.3208, 0.4512



80.2422, 0.3212, 0.4813



64.2925, 0.2930, 0.4218



16.2497, 0.3150, 0.3530



32.5203, 0.3090, 0.5928



2.4446, 0.3190, 0.5849

Inverse Universe

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



36.4389, 0.2972, 0.2212



38.6023, 0.2924, 0.1984



38.5374, 0.3416, 0.2518



14.4378, 0.3101, 0.3056



8.5595, 0.2629, 0.1222



0.6736, 0.2718, 0.1271

Previews

White Background



This preview shows how the Yxy color 65.5110, 0.3208, 0.4512 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 65.5110, 0.3208, 0.4512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

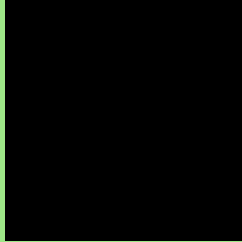
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5110, 0.3208, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 65.5110, 0.3208, 0.4512.

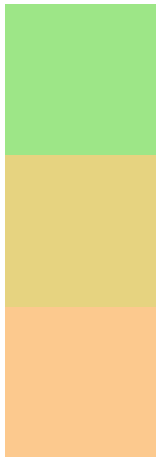


This preview shows how white text looks on a background with the Yxy color 65.5110, 0.3208, 0.4512.

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

65.5110, 0.3208, 0.4512

Protanopia

64.9700, 0.3869, 0.4202

Deuteranopia

64.4217, 0.3998, 0.3907



Tritanopia

65.1976, 0.2723, 0.3079

Trichromacy



Original Color

65.5110, 0.3208, 0.4512



Protanomaly

64.4780, 0.3602, 0.4317



Deuteranomaly

63.7028, 0.3684, 0.4130



Tritanomaly

64.6909, 0.2905, 0.3574

Monochromacy



Original Color

65.5110, 0.3208, 0.4512



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.6020, 0.3166, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5110, 0.3208, 0.4512 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(157, 230, 135)` looks like.

```
.text, #text, p{  
    color:rgb(157, 230, 135)  
}
```

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(157, 230, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 230, 135) }
```

Border

The CSS property to change the border of an element to Yxy 65.5110, 0.3208, 0.4512 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(157, 230, 135) }
```

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

```
.border{ border-color:rgb(157, 230, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 230, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 230, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 230, 135);  
box-shadow:4px 4px 4px 4px rgb(157, 230,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5110, 0.3208, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 230, 135) }
```

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

```
.background{ background-color: rgb(157,  
230, 135) }
```

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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