

Converting Colors

Yxy(64.4710, 0.3108, 0.4207)

Have a look what the booklet for
Yxy(64.4710, 0.3108, 0.4207)
contains.

Yxy(64.6757, 0.3110, 0.4218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.6757, 0.3110, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	9FE39B
RGB	159, 227, 155
RGB Percent	62%, 89%, 61%
CMY	0.3763, 0.1098, 0.3922
CMYK	0.30, 0.00, 0.32, 0.11
HSL	117°, 56%, 75%
HSV	117°, 32%, 89%
XYZ	47.6864, 64.6757, 40.9705
YIQ	198.4600, -17.4160, -36.8080

Conversions

Conversions Part 2

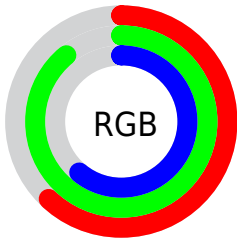
Format	Color
RYB	155, 227, 223
Decimal	10478491
CIELab	84.32, -35.09, 28.57
CIElCh	84, 45.254, 140.851
Yxy	64.6757, 0.3110, 0.4218
Android (android.graphics.Color)	4288668571 (0xFF9FE39B)
YUV	198.4600, -21.4258, -34.6064
Hunter-Lab	80.4212, -34.8940, 26.0896

Details

The Yxy color **64.6757, 0.3110, 0.4218** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6616, 0.3128, 0.2495**, and the grayscale version is **56.9115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6202, 0.3136, 0.3768**, and **33.1084, 0.3088, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **61.9820, 0.3100, 0.4567**, and if you desaturate by 10%, it is **67.8978, 0.3118, 0.3891**.

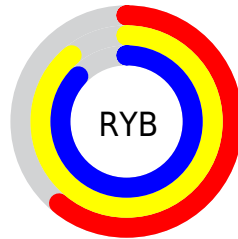
Distribution



Red (62%)

Green (89%)

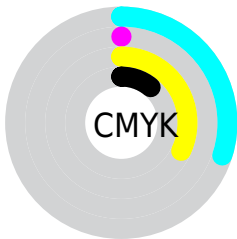
Blue (61%)



Red (61%)

Yellow (89%)

Blue (87%)

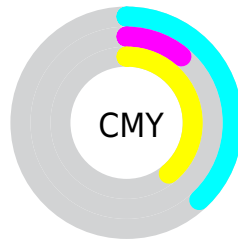


Cyan (30%)

Magenta (0%)

Yellow (32%)

Black (11%)



Cyan (38%)


Magenta (11%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6757, 0.3110, 0.4218 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 64.6757, 0.3110, 0.4218 by changing the saturation by 10% instead.


 64.6757, 0.3110,
0.4218


 64.6757, 0.3110,
0.4218


441.6257, 0.3131,
0.3756

 47.1982, 0.3101,
0.4332


 111.5835, 0.3121,
0.4051

 33.1923, 0.3087,
0.4476


 141.7825, 0.3124,
0.3988

 22.2738, 0.3066,
0.4666


176.9909, 0.3126,
0.3935

 14.0582, 0.3030,
0.4925

217.5929, 0.3128,
0.3889

 8.1612, 0.2964,
0.5296

263.9730, 0.3129,
0.3849

 4.1983, 0.2833,
0.5863

316.5155, 0.3130,

 1.7851, 0.2668,


0.3815

0.7332


375.6050, 0.3131,
0.3784

 0.4778, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 64.6757, 0.3110,
0.4218


 64.6757, 0.3110,
0.4218


 61.9820, 0.3100,
0.4567

 67.8978, 0.3118,
0.3891

 59.7808, 0.3086,
0.4922

 71.6658, 0.3123,
0.3595

 58.0448, 0.3071,
0.5261

 76.0061, 0.3127,
0.3332

 56.7404, 0.3053,
0.5557

 80.9414, 0.3129,
0.3102

■ 55.8298, 0.3035,
0.5786

■ 83.4185, 0.3140,
0.3019

■ 55.2683, 0.3019,
0.5930

■ 55.0223, 0.3009,
0.5993

Harmonies

Analogous

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



64.6757, 0.3660, 0.4315



64.6757, 0.3110, 0.4218



64.6757, 0.2592, 0.3783

Triad

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



64.6757, 0.3110, 0.4218



64.6757, 0.2219, 0.2455



64.6757, 0.4097, 0.3258

Complementary

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



64.6757, 0.3110, 0.4218



44.6616, 0.3128, 0.2495

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.



64.6757, 0.3640, 0.2851



64.6757, 0.3110, 0.4218



64.6757, 0.2550, 0.2404

Square

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



64.6757, 0.3110, 0.4218



64.6757, 0.2110, 0.2725



64.6757, 0.3061, 0.2549



64.6757, 0.4260, 0.3700

Rectangle

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



64.6757, 0.3110, 0.4218



64.6757, 0.2332, 0.3396



64.6757, 0.3061, 0.2549



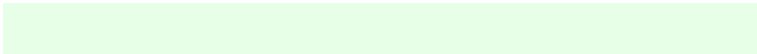
64.6757, 0.3971, 0.3115

Sweetspot

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



64.6784, 0.3110, 0.4218



94.1832, 0.3124, 0.3549



71.0452, 0.3620, 0.4033



19.9973, 0.3123, 0.3588



0.0000, 0.0000, 0.0000



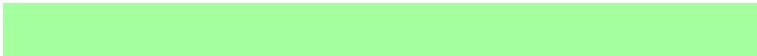
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6784, 0.3110, 0.4218



81.8370, 0.3104, 0.4444



65.4582, 0.2901, 0.3808



16.1276, 0.3124, 0.3532



32.1049, 0.3012, 0.5990



2.3862, 0.3048, 0.5962

Inverse Universe

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



44.6616, 0.3128, 0.2495



51.9485, 0.3127, 0.2335



43.7427, 0.3445, 0.2826



14.5718, 0.3129, 0.3058



11.6096, 0.3069, 0.1464



0.8706, 0.3091, 0.1476

Previews

White Background



This preview shows how the Yxy color 64.6757, 0.3110, 0.4218 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 64.6757, 0.3110, 0.4218 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 64.6757, 0.3110, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 64.6757, 0.3110, 0.4218.



This preview shows how white text looks on a background with the Yxy color 64.6757, 0.3110, 0.4218.

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

64.6757, 0.3110, 0.4218

Protanopia

63.8763, 0.3712, 0.3990

Deuteranopia

63.9393, 0.3801, 0.3720



Tritanopia

64.4505, 0.2727, 0.3089

Trichromacy



Original Color

64.6757, 0.3110, 0.4218



Protanomaly

63.8703, 0.3475, 0.4078



Deuteranomaly

62.8925, 0.3524, 0.3886



Tritanomaly

64.4455, 0.2868, 0.3486

Monochromacy



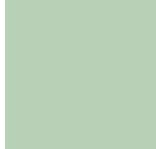
Original Color

64.6757, 0.3110, 0.4218



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.1687, 0.3126, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6757, 0.3110, 0.4218 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, 227, 155)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 155)  
}
```

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, 227, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 155) }
```

Border

The CSS property to change the border of an element to Yxy 64.6757, 0.3110, 0.4218 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, 227, 155) }
```

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

```
.border{ border-color:rgb(159, 227, 155) }
```

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

Here you see how a box with a 4 pixel rgb(159, 227, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 155);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6757, 0.3110, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 155) }
```

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

```
.background{ background-color: rgb(159,  
227, 155) }
```

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