

Converting Colors

Yxy(49.5123, 0.3136, 0.4480)

Have a look what the booklet for
Yxy(49.5123, 0.3136, 0.4480)
contains.

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Color

Yxy(49.5213, 0.3134, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	84CC7B
RGB	132, 204, 123
RGB Percent	52%, 80%, 48%
CMY	0.4824, 0.2000, 0.5178
CMYK	0.35, 0.00, 0.40, 0.20
HSL	113°, 44%, 64%
HSV	113°, 40%, 80%
XYZ	34.6815, 49.5213, 26.4593
YIQ	173.2380, -16.9110, -40.4550

Conversions

Conversions Part 2

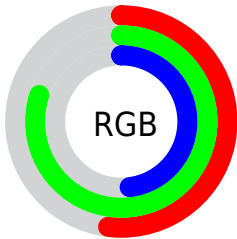
Format	Color
RYB	123, 204, 195
Decimal	8703099
CIELab	75.77, -38.29, 33.43
CIElCh	76, 50.826, 138.879
Yxy	49.5213, 0.3134, 0.4475
Android (android.graphics.Color)	4286893179 (0xFF84CC7B)
YUV	173.2380, -24.7673, -36.1657
Hunter-Lab	70.3714, -35.1788, 26.9672

Details

The Yxy color **49.5213, 0.3134, 0.4475** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.1185, 0.3080, 0.2292**, and the grayscale version is **42.0514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3460, 0.3156, 0.4187**, and **23.5956, 0.3096, 0.4840** is the 20% darker color. If you saturate the color by 10%, you get **47.7280, 0.3126, 0.4822**, and if you desaturate by 10%, it is **51.6792, 0.3137, 0.4137**.

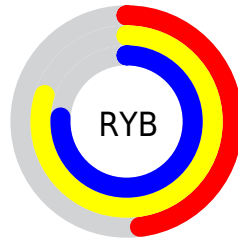
Distribution



Red (52%)

Green (80%)

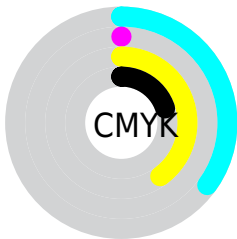
Blue (48%)



Red (48%)

Yellow (80%)

Blue (76%)

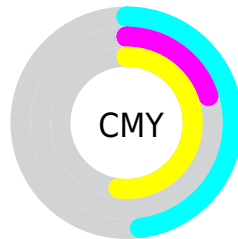


Cyan (35%)

Magenta (0%)

Yellow (40%)

Black (20%)



Cyan (48%)


Magenta (20%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5213, 0.3134, 0.4475 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 49.5213, 0.3134, 0.4475 by changing the saturation by 10% instead.


 49.5213, 0.3134,
0.4475


 49.5213, 0.3134,
0.4475


384.7910, 0.3153,
0.3855

 35.0332, 0.3121,
0.4637


 89.4652, 0.3147,
0.4244

 23.6884, 0.3100,
0.4848


 115.6898, 0.3149,
0.4159

 15.1027, 0.3062,
0.5133


 146.5953, 0.3151,
0.4088

 8.8915, 0.2991,
0.5534

182.5662, 0.3152,
0.4027

 4.6705, 0.2848,
0.6139

223.9868, 0.3153,
0.3975

 2.0552, 0.2608,
0.7392

271.2415, 0.3153,

 0.6393, 0.0000,

0.3930

1.0000

324.7148, 0.3153,
0.3890

0.0000, 0.0000,
0.0000

49.5213, 0.3134,
0.4475

49.5213, 0.3134,
0.4475

47.7280, 0.3126,
0.4822

51.6792, 0.3137,
0.4137

46.2733, 0.3114,
0.5160

54.2137, 0.3136,
0.3823

45.1374, 0.3096,
0.5465

57.1439, 0.3132,
0.3537


44.2961, 0.3073,
0.5712

60.4858, 0.3127,
0.3283

43.7216, 0.3048,
0.5882

64.2546, 0.3120,
0.3061

 43.3750, 0.3026,
0.5978

 68.4645, 0.3113,
0.2867

 43.3678, 0.3025,
0.5980

 71.6689, 0.3151,
0.2792

Harmonies

Analogous

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



49.5213, 0.3797, 0.4537



49.5213, 0.3134, 0.4475



49.5213, 0.2504, 0.3948

Triad

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



49.5213, 0.3134, 0.4475



49.5213, 0.2023, 0.2294



49.5213, 0.4292, 0.3201

Complementary

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



49.5213, 0.3134, 0.4475



30.1185, 0.3080, 0.2292

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.



49.5213, 0.3707, 0.2731



49.5213, 0.3134, 0.4475



49.5213, 0.2393, 0.2228

Square

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



49.5213, 0.3134, 0.4475



49.5213, 0.1912, 0.2621



49.5213, 0.2994, 0.2387



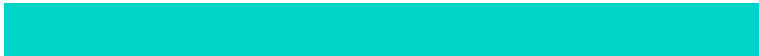
49.5213, 0.4513, 0.3722

Rectangle

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



49.5213, 0.3134, 0.4475



49.5213, 0.2188, 0.3458



49.5213, 0.2994, 0.2387



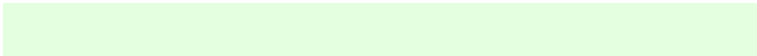
49.5213, 0.4128, 0.3035

Sweetspot

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



49.5234, 0.3134, 0.4475



93.3861, 0.3134, 0.3604



53.0977, 0.3758, 0.4166



19.8474, 0.3134, 0.3641



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.



49.5234, 0.3134, 0.4475



79.3345, 0.3128, 0.4784



49.7320, 0.2879, 0.4022



12.5958, 0.3132, 0.3528



27.3147, 0.3030, 0.5976



1.4298, 0.3117, 0.5907

Inverse Universe

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



30.1185, 0.3080, 0.2292



42.6516, 0.3063, 0.2081



30.0120, 0.3505, 0.2662



11.3379, 0.3120, 0.3060



8.9741, 0.2932, 0.1389



0.4815, 0.2990, 0.1421

Previews

White Background



This preview shows how the Yxy color 49.5213, 0.3134, 0.4475 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 49.5213, 0.3134, 0.4475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

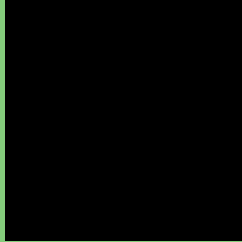
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5213, 0.3134, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 49.5213, 0.3134, 0.4475.

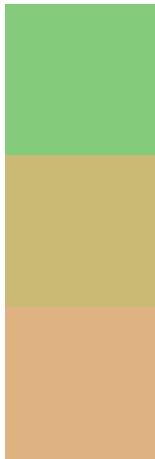


This preview shows how white text looks on a background with the Yxy color 49.5213, 0.3134, 0.4475.

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

49.5213, 0.3134, 0.4475

Protanopia

49.0753, 0.3842, 0.4158

Deuteranopia

48.9554, 0.3952, 0.3869



Tritanopia

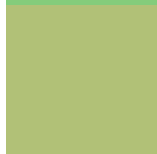
49.4829, 0.2687, 0.3091

Trichromacy



Original Color

49.5213, 0.3134, 0.4475



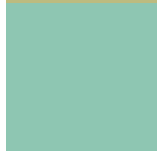
Protanomaly

48.8189, 0.3553, 0.4279



Deuteranomaly

47.8918, 0.3623, 0.4074



Tritanomaly

49.3533, 0.2848, 0.3568

Monochromacy



Original Color

49.5213, 0.3134, 0.4475



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

43.9166, 0.3133, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5213, 0.3134, 0.4475 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(132, 204, 123)` looks like.

```
.text, #text, p{  
    color:rgb(132, 204, 123)  
}
```

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(132, 204, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 204, 123) }
```

Border

The CSS property to change the border of an element to Yxy 49.5213, 0.3134, 0.4475 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(132, 204, 123) }
```

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

```
.border{ border-color:rgb(132, 204, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 204, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 204, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 204, 123);  
box-shadow:4px 4px 4px 4px rgb(132, 204,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5213, 0.3134, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 204, 123) }
```

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

```
.background{ background-color: rgb(132,  
204, 123) }
```

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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