

Converting Colors

$Yxy(65.1880, 0.3361, 0.4480)$

Have a look what the booklet for
Yxy(65.1880, 0.3361, 0.4480)
contains.

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Color

Yxy(65.1454, 0.3364, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	AFE283
RGB	175, 226, 131
RGB Percent	69%, 89%, 51%
CMY	0.3137, 0.1137, 0.4863
CMYK	0.23, 0.00, 0.42, 0.11
HSL	92°, 62%, 70%
HSV	92°, 42%, 89%
XYZ	48.9719, 65.1454, 31.4590
YIQ	199.9210, 0.0990, -40.3570

Conversions

Conversions Part 2

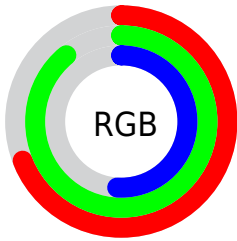
Format	Color
RYB	131, 226, 182
Decimal	11526787
CIELab	84.56, -32.60, 41.16
CIELCh	85, 52.506, 128.382
Yxy	65.1454, 0.3364, 0.4475
Android (android.graphics.Color)	4289716867 (0xFFAFE283)
YUV	199.9210, -33.9781, -21.8557
Hunter-Lab	80.7127, -32.9436, 33.3897

Details

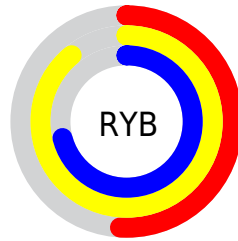
The Yxy color **65.1454, 0.3364, 0.4475** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.6625, 0.2766, 0.2129**, and the grayscale version is **57.9217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1786, 0.3389, 0.4015**, and **33.3217, 0.3383, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **63.2596, 0.3399, 0.4778**, and if you desaturate by 10%, it is **67.2966, 0.3317, 0.4170**.

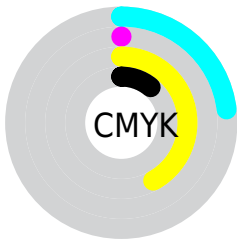
Distribution



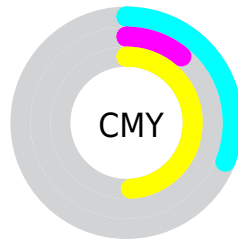
- Red (69%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (71%)



- Cyan (23%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1454, 0.3364, 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 65.1454, 0.3364, 0.4475 by changing the saturation by 10% instead.


 65.1454, 0.3364,
0.4475

 65.1454, 0.3364,
0.4475

443.3143, 0.3275,
0.3890


 47.5790, 0.3377,
0.4616


 112.2589, 0.3338,
0.4266

 33.4936, 0.3389,
0.4793


 142.5747, 0.3327,
0.4186

 22.5048, 0.3396,
0.5021


 177.9092, 0.3316,
0.4118

 14.2283, 0.3390,
0.5322

218.6466, 0.3306,
0.4060

 8.2796, 0.3350,
0.5732

265.1715, 0.3297,
0.4009

 4.2744, 0.3342,
0.6531

317.8681, 0.3289,

 1.8282, 0.2870,

0.3965

0.7130

377.1209, 0.3281,
0.3925

■ 0.5047, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1454, 0.3364,
0.4475

■ 65.1454, 0.3364,
0.4475

■ 63.2596, 0.3399,
0.4778

■ 67.2966, 0.3317,
0.4170

■ 61.6187, 0.3418,
0.5065


■ 69.7158, 0.3261,
0.3875

■ 60.2122, 0.3417,
0.5319


■ 72.4164, 0.3201,
0.3596


■ 59.0251, 0.3395,
0.5525

■ 75.4082, 0.3140,
0.3340

 58.0402, 0.3352,
0.5674

 78.7004, 0.3079,
0.3106

 57.3808, 0.3309,
0.5755

 81.5330, 0.3091,
0.3005

 82.8756, 0.3140,
0.3009

Harmonies

Analogous

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



65.1454, 0.3960, 0.4395



65.1454, 0.3364, 0.4475



65.1454, 0.2736, 0.4119

Triad

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



65.1454, 0.3364, 0.4475



65.1454, 0.2011, 0.2427



65.1454, 0.4062, 0.3044

Complementary

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



65.1454, 0.3364, 0.4475



31.6625, 0.2766, 0.2129

Split Complementary

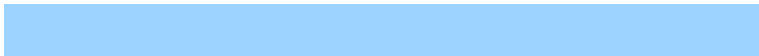
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.1454, 0.3441, 0.2628



65.1454, 0.3364, 0.4475



65.1454, 0.2281, 0.2277

Square

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



65.1454, 0.3364, 0.4475



65.1454, 0.1996, 0.2833



65.1454, 0.2784, 0.2356



65.1454, 0.4408, 0.3533

Rectangle

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



65.1454, 0.3364, 0.4475



65.1454, 0.2384, 0.3695



65.1454, 0.2784, 0.2356



65.1454, 0.3875, 0.2893

Sweetspot

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



65.1482, 0.3364, 0.4475



94.8261, 0.3208, 0.3624



51.1253, 0.3953, 0.3878



20.1227, 0.3221, 0.3685



0.0000, 0.0000, 0.0000



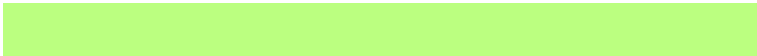
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1482, 0.3364, 0.4475



83.5756, 0.3394, 0.4727



60.9450, 0.3049, 0.4547



15.6468, 0.3185, 0.3527



32.8031, 0.3320, 0.5746



2.3266, 0.3440, 0.5651

Inverse Universe

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



31.6625, 0.2766, 0.2129



34.2550, 0.2671, 0.1889



37.7167, 0.3205, 0.2290



13.6037, 0.3064, 0.3054



5.5355, 0.2100, 0.0931



0.4368, 0.2262, 0.1020

Previews

White Background



This preview shows how the Yxy color 65.1454, 0.3364, 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 65.1454, 0.3364, 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 65.1454, 0.3364, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 65.1454, 0.3364, 0.4475.



This preview shows how white text looks on a background with the Yxy color 65.1454, 0.3364, 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

65.1454, 0.3364, 0.4475

Protanopia

64.3968, 0.3894, 0.4223

Deuteranopia

64.4621, 0.4043, 0.3955



Tritanopia

64.8098, 0.2850, 0.3094

Trichromacy



Original Color

65.1454, 0.3364, 0.4475



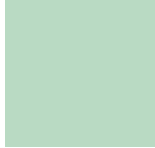
Protanomaly

64.3457, 0.3691, 0.4321



Deuteranomaly

63.8500, 0.3785, 0.4133



Tritanomaly

64.3972, 0.3043, 0.3568

Monochromacy



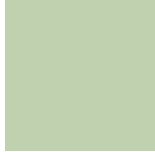
Original Color

65.1454, 0.3364, 0.4475



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.7724, 0.3228, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1454, 0.3364, 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(175, 226, 131)` looks like.

```
.text, #text, p{  
    color:rgb(175, 226, 131)  
}
```

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(175, 226, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 226, 131) }
```

Border

The CSS property to change the border of an element to Yxy 65.1454, 0.3364, 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(175, 226, 131) }
```

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

```
.border{ border-color:rgb(175, 226, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 226, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 226, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 226, 131);  
box-shadow:4px 4px 4px 4px rgb(175, 226,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1454, 0.3364, 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(175, 226, 131) }
```

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

```
.background{ background-color: rgb(175,  
226, 131) }
```

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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