

Converting Colors

$Yxy(66.4552, 0.3365, 0.4556)$

Have a look what the booklet for
Yxy(66.4552, 0.3365, 0.4556)
contains.

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Color

Yxy(66.4552, 0.3365, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	ADE57F
RGB	173, 229, 127
RGB Percent	68%, 90%, 50%
CMY	0.3216, 0.1019, 0.5019
CMYK	0.24, 0.00, 0.45, 0.10
HSL	93°, 66%, 70%
HSV	93°, 45%, 90%
XYZ	49.0829, 66.4552, 30.3249
YIQ	200.6280, -0.6340, -43.5940

Conversions

Conversions Part 2

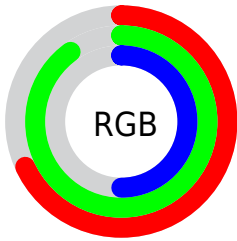
Format	Color
RYB	127, 229, 183
Decimal	11396479
CIELab	85.23, -35.18, 43.92
CIELCh	85, 56.276, 128.697
Yxy	66.4552, 0.3365, 0.4556
Android (android.graphics.Color)	4289586559 (0xFFADE57F)
YUV	200.6280, -36.2986, -24.2298
Hunter-Lab	81.5201, -35.1859, 35.0086

Details

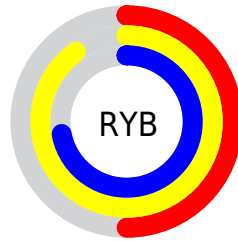
The Yxy color **66.4552, 0.3365, 0.4556** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.9134, 0.2749, 0.2059**, and the grayscale version is **58.3968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6792, 0.3399, 0.4061**, and **34.2467, 0.3386, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **64.5602, 0.3394, 0.4859**, and if you desaturate by 10%, it is **68.6267, 0.3322, 0.4249**.

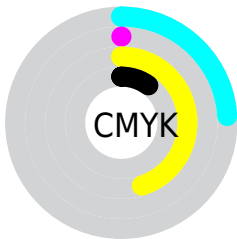
Distribution



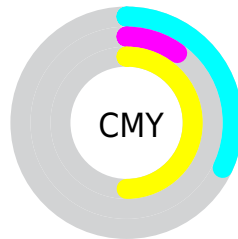
- Red (68%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (72%)



- Cyan (24%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)





- Cyan (32%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4552, 0.3365, 0.4556 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 66.4552, 0.3365, 0.4556 by changing the saturation by 10% instead.


 66.4552, 0.3365,
0.4556


 66.4552, 0.3365,
0.4556


448.0031, 0.3279,
0.3932


 48.6420, 0.3376,
0.4705

 114.1394, 0.3342,
0.4333

 34.3356, 0.3385,
0.4893


 144.7792, 0.3330,
0.4249

 23.1515, 0.3386,
0.5133


 180.4634, 0.3320,
0.4176

 14.7054, 0.3371,
0.5448

221.5763, 0.3311,
0.4114

 8.6129, 0.3316,
0.5872

268.5023, 0.3302,
0.4060

 4.4896, 0.3290,
0.6710

321.6259, 0.3294,

 1.9510, 0.2759,

0.4012

0.7241

381.3313, 0.3286,
0.3970

0.5788, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.4552, 0.3365,
0.4556

66.4552, 0.3365,
0.4556

64.5602, 0.3394,
0.4859

68.6267, 0.3322,
0.4249

62.9199, 0.3407,
0.5141


71.0781, 0.3271,
0.3948


61.5230, 0.3399,
0.5386


73.8233, 0.3213,
0.3664


60.3531, 0.3370,
0.5580


76.8730, 0.3154,
0.3402

 59.3913, 0.3323,
0.5714

 80.2370, 0.3095,
0.3162

 58.9389, 0.3292,
0.5768

 83.3028, 0.3095,
0.3035

 84.5222, 0.3139,
0.3039

Harmonies

Analogous

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



66.4552, 0.3999, 0.4464



66.4552, 0.3365, 0.4556



66.4552, 0.2701, 0.4173

Triad

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



66.4552, 0.3365, 0.4556



66.4552, 0.1951, 0.2371



66.4552, 0.4129, 0.3031

Complementary

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



66.4552, 0.3365, 0.4556



30.9134, 0.2749, 0.2059

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.



66.4552, 0.3466, 0.2595



66.4552, 0.3365, 0.4556



66.4552, 0.2236, 0.2220

Square

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



66.4552, 0.3365, 0.4556



66.4552, 0.1931, 0.2793



66.4552, 0.2767, 0.2307



66.4552, 0.4492, 0.3544

Rectangle

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



66.4552, 0.3365, 0.4556



66.4552, 0.2332, 0.3713



66.4552, 0.2767, 0.2307



66.4552, 0.3929, 0.2873

Sweetspot

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



66.4581, 0.3365, 0.4556



94.7547, 0.3205, 0.3625



51.4079, 0.4015, 0.3913



20.1051, 0.3218, 0.3685



0.0000, 0.0000, 0.0000



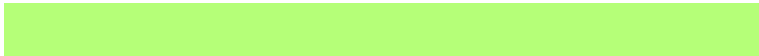
21.4041, 0.3127, 0.3290

Same Dimension

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



66.4581, 0.3365, 0.4556



82.6682, 0.3392, 0.4822



62.1788, 0.3044, 0.4636



16.4056, 0.3184, 0.3528



33.7656, 0.3303, 0.5759



2.5497, 0.3417, 0.5669

Inverse Universe

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



30.9134, 0.2749, 0.2059



32.0971, 0.2650, 0.1809



37.3125, 0.3210, 0.2235



14.2753, 0.3066, 0.3053



5.8335, 0.2125, 0.0944



0.4861, 0.2276, 0.1027

Previews

White Background



This preview shows how the Yxy color 66.4552, 0.3365, 0.4556 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 66.4552, 0.3365, 0.4556 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 66.4552, 0.3365, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 66.4552, 0.3365, 0.4556.



This preview shows how white text looks on a background with the Yxy color 66.4552, 0.3365, 0.4556.

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

66.4552, 0.3365, 0.4556

Protanopia

65.7911, 0.3935, 0.4273

Deuteranopia

65.7494, 0.4057, 0.3979



Tritanopia

66.3850, 0.2828, 0.3095

Trichromacy



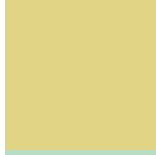
Original Color

66.4552, 0.3365, 0.4556



Protanomaly

65.4218, 0.3716, 0.4380



Deuteranomaly

64.7880, 0.3790, 0.4174



Tritanomaly

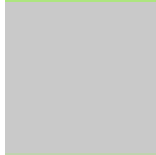
65.7203, 0.3029, 0.3604

Monochromacy



Original Color

66.4552, 0.3365, 0.4556



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.7209, 0.3233, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4552, 0.3365, 0.4556 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(173, 229, 127)` looks like.

```
.text, #text, p{  
    color:rgb(173, 229, 127)  
}
```

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(173, 229, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 229, 127) }
```

Border

The CSS property to change the border of an element to Yxy 66.4552, 0.3365, 0.4556 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(173, 229, 127) }
```

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

```
.border{ border-color:rgb(173, 229, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 229, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 229, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 229, 127);  
box-shadow:4px 4px 4px 4px rgb(173, 229,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4552, 0.3365, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 229, 127) }
```

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

```
.background{ background-color: rgb(173,  
229, 127) }
```

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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