

Converting Colors

$Yxy(65.3318, 0.3353, 0.4416)$

Have a look what the booklet for
Yxy(65.3318, 0.3353, 0.4416)
contains.

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Color

Yxy(65.4891, 0.3355, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	B1E287
RGB	177, 226, 135
RGB Percent	69%, 89%, 53%
CMY	0.3060, 0.1137, 0.4706
CMYK	0.22, 0.00, 0.40, 0.11
HSL	92°, 61%, 71%
HSV	92°, 40%, 89%
XYZ	49.6982, 65.4891, 32.9445
YIQ	200.9750, 0.0070, -38.6890

Conversions

Conversions Part 2

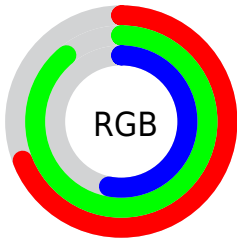
Format	Color
RYB	135, 226, 184
Decimal	11657863
CIELab	84.74, -31.39, 39.41
CIELCh	85, 50.386, 128.534
Yxy	65.4891, 0.3355, 0.4421
Android (android.graphics.Color)	4289847943 (0xFFB1E287)
YUV	200.9750, -32.5257, -21.0261
Hunter-Lab	80.9253, -31.9981, 32.5109

Details

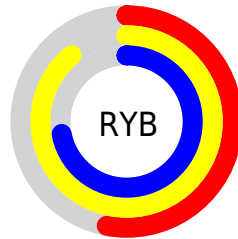
The Yxy color **65.4891, 0.3355, 0.4421** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.0157, 0.2787, 0.2182**, and the grayscale version is **58.5975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6865, 0.3379, 0.3970**, and **33.6005, 0.3384, 0.4710** is the 20% darker color. If you saturate the color by 10%, you get **63.5550, 0.3392, 0.4726**, and if you desaturate by 10%, it is **67.6917, 0.3306, 0.4117**.

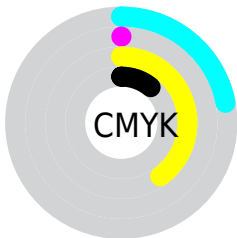
Distribution



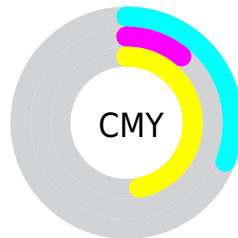
- Red (69%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (72%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (31%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4891, 0.3355, 0.4421 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 65.4891, 0.3355, 0.4421 by changing the saturation by 10% instead.


 65.4891, 0.3355,
0.4421


 65.4891, 0.3355,
0.4421

444.5475, 0.3268,
0.3864

 47.8578, 0.3369,
0.4555


 112.7527, 0.3329,
0.4222

 33.7143, 0.3381,
0.4724

 143.1539, 0.3318,
0.4146

 22.6742, 0.3390,
0.4941


 178.5804, 0.3308,
0.4081

 14.3531, 0.3389,
0.5230

219.4166, 0.3298,
0.4026

 8.3667, 0.3359,
0.5625

266.0471, 0.3289,
0.3977

 4.3305, 0.3335,
0.6335

318.8561, 0.3282,

 1.8601, 0.2966,

0.3935

0.7034

378.2281, 0.3274,
0.3897

0.5242, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.4891, 0.3355,
0.4421

65.4891, 0.3355,
0.4421

63.5550, 0.3392,
0.4726

67.6917, 0.3306,
0.4117

61.8687, 0.3414,
0.5017


70.1651, 0.3250,
0.3824

60.4202, 0.3417,
0.5278


72.9227, 0.3190,
0.3549


59.1947, 0.3398,
0.5494

75.9742, 0.3129,
0.3296

 58.1754, 0.3359,
0.5653

 79.3287, 0.3068,
0.3067

 57.3554, 0.3306,
0.5757

 81.9484, 0.3107,
0.3006

 82.8774, 0.3140,
0.3009

Harmonies

Analogous

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



65.4891, 0.3928, 0.4353



65.4891, 0.3355, 0.4421



65.4891, 0.2751, 0.4078

Triad

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



65.4891, 0.3355, 0.4421



65.4891, 0.2053, 0.2460



65.4891, 0.4025, 0.3057

Complementary

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



65.4891, 0.3355, 0.4421



33.0157, 0.2787, 0.2182

Split Complementary

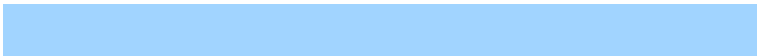
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.4891, 0.3432, 0.2655



65.4891, 0.3355, 0.4421



65.4891, 0.2315, 0.2314

Square

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



65.4891, 0.3355, 0.4421



65.4891, 0.2037, 0.2852



65.4891, 0.2802, 0.2391



65.4891, 0.4355, 0.3531

Rectangle

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



65.4891, 0.3355, 0.4421



65.4891, 0.2413, 0.3675



65.4891, 0.2802, 0.2391



65.4891, 0.3847, 0.2912

Sweetspot

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



65.4920, 0.3355, 0.4421



95.1899, 0.3201, 0.3597



52.0103, 0.3911, 0.3853



20.2698, 0.3209, 0.3633



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.



65.4920, 0.3355, 0.4421



84.0287, 0.3386, 0.4667



61.3850, 0.3053, 0.4485



15.6454, 0.3185, 0.3527



32.7874, 0.3317, 0.5748



2.3255, 0.3437, 0.5653

Inverse Universe

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



33.0157, 0.2787, 0.2182



35.9652, 0.2697, 0.1947



38.8264, 0.3201, 0.2330



13.6051, 0.3065, 0.3054



5.5543, 0.2104, 0.0933



0.4381, 0.2265, 0.1022

Previews

White Background



This preview shows how the Yxy color 65.4891, 0.3355, 0.4421 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 65.4891, 0.3355, 0.4421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

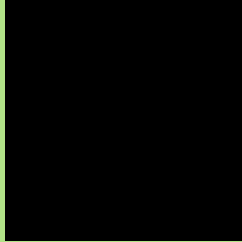
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.4891, 0.3355, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 65.4891, 0.3355, 0.4421.



This preview shows how white text looks on a background with the Yxy color 65.4891, 0.3355, 0.4421.

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

65.4891, 0.3355, 0.4421

Protanopia

64.9965, 0.3863, 0.4192

Deuteranopia

65.0468, 0.4009, 0.3925



Tritanopia

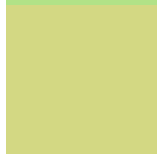
65.5034, 0.2851, 0.3095

Trichromacy



Original Color

65.4891, 0.3355, 0.4421



Protanomaly

64.5993, 0.3673, 0.4274



Deuteranomaly

64.4602, 0.3753, 0.4100



Tritanomaly

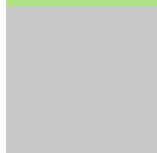
65.1334, 0.3037, 0.3554

Monochromacy



Original Color

65.4891, 0.3355, 0.4421



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.4740, 0.3221, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4891, 0.3355, 0.4421 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(177, 226, 135)` looks like.

```
.text, #text, p{  
    color:rgb(177, 226, 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(177, 226, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 226, 135) }
```

Border

The CSS property to change the border of an element to Yxy 65.4891, 0.3355, 0.4421 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(177, 226, 135) }
```

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

```
.border{ border-color:rgb(177, 226, 135) }
```

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

Here you see how a box with a 4 pixel rgb(177, 226, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 226, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 226, 135);  
box-shadow:4px 4px 4px 4px rgb(177, 226,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4891, 0.3355, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 226, 135) }
```

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

```
.background{ background-color: rgb(177,  
226, 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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