

Converting Colors

$Yxy(66.5150, 0.3256, 0.4265)$

Have a look what the booklet for
Yxy(66.5150, 0.3256, 0.4265)
contains.

Yxy(66.2221, 0.3256, 0.4263)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.2221, 0.3256, 0.4263)

Conversions

Conversions Part 1

Format	Color
Hex	AFE395
RGB	175, 227, 149
RGB Percent	69%, 89%, 58%
CMY	0.3135, 0.1098, 0.4158
CMYK	0.23, 0.00, 0.34, 0.11
HSL	100°, 58%, 74%
HSV	100°, 34%, 89%
XYZ	50.5792, 66.2221, 38.5402
YIQ	202.5600, -5.9540, -35.2820

Conversions

Conversions Part 2

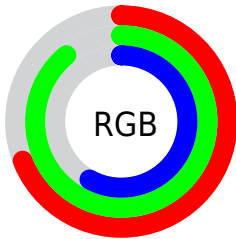
Format	Color
RYB	149, 227, 201
Decimal	11527061
CIELab	85.11, -30.64, 32.85
CIELCh	85, 44.920, 133.003
Yxy	66.2221, 0.3256, 0.4263
Android (android.graphics.Color)	4289717141 (0xFFAFE395)
YUV	202.5600, -26.4051, -24.1701
Hunter-Lab	81.3770, -31.4644, 28.8841

Details

The Yxy color **66.2221, 0.3256, 0.4263** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.4418, 0.2935, 0.2378**, and the grayscale version is **59.6077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0354, 0.3278, 0.3815**, and **34.0538, 0.3270, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **63.9164, 0.3281, 0.4585**, and if you desaturate by 10%, it is **68.8706, 0.3223, 0.3953**.

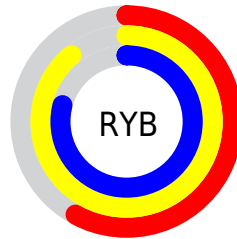
Distribution



Red (69%)

Green (89%)

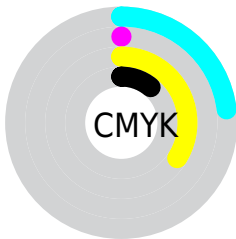
Blue (58%)



Red (58%)

Yellow (89%)

Blue (79%)

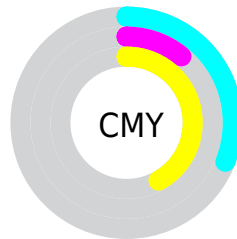


Cyan (23%)

Magenta (0%)

Yellow (34%)

Black (11%)



Cyan (31%)


Magenta (11%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2221, 0.3256, 0.4263 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 66.2221, 0.3256, 0.4263 by changing the saturation by 10% instead.


 66.2221, 0.3256,
0.4263

 66.2221, 0.3256,
0.4263


447.1708, 0.3210,
0.3784

 48.4527, 0.3262,
0.4379


 113.8050, 0.3243,
0.4091

 34.1855, 0.3267,
0.4526


 144.3874, 0.3237,
0.4026

 23.0362, 0.3269,
0.4717


180.0095, 0.3232,
0.3970

 14.6202, 0.3262,
0.4973

221.0559, 0.3227,
0.3923

 8.5533, 0.3234,
0.5333

267.9107, 0.3222,
0.3881

 4.4510, 0.3160,
0.5876

320.9586, 0.3218,

 1.9289, 0.3039,

0.3845

0.6961

380.5838, 0.3214,
0.3812

■ 0.5657, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.2221, 0.3256,
0.4263

■ 66.2221, 0.3256,
0.4263

■ 63.9164, 0.3281,
0.4585

■ 68.8706, 0.3223,
0.3953

■ 61.9304, 0.3294,
0.4905

■ 71.8670, 0.3185,
0.3663

■ 60.2509, 0.3293,
0.5206

■ 75.2271, 0.3145,
0.3398

■ 58.8605, 0.3275,
0.5468


■ 78.9631, 0.3104,
0.3159

 57.7398, 0.3241,
0.5675

 82.5956, 0.3110,
0.3016

 56.8661, 0.3193,
0.5815

 83.4164, 0.3140,
0.3019

 56.4665, 0.3164,
0.5870

Harmonies

Analogous

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



66.2221, 0.3781, 0.4268



66.2221, 0.3256, 0.4263



66.2221, 0.2723, 0.3911

Triad

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



66.2221, 0.3256, 0.4263



66.2221, 0.2181, 0.2515



66.2221, 0.3987, 0.3148

Complementary

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



66.2221, 0.3256, 0.4263



39.4418, 0.2935, 0.2378

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.



66.2221, 0.3487, 0.2767



66.2221, 0.3256, 0.4263



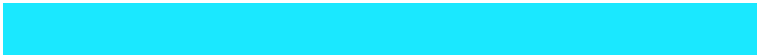
66.2221, 0.2453, 0.2409

Square

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



66.2221, 0.3256, 0.4263



66.2221, 0.2134, 0.2840



66.2221, 0.2918, 0.2504



66.2221, 0.4234, 0.3582

Rectangle

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



66.2221, 0.3256, 0.4263



66.2221, 0.2433, 0.3547



66.2221, 0.2918, 0.2504



66.2221, 0.3840, 0.3012

Sweetspot

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



66.2250, 0.3256, 0.4263



95.3857, 0.3168, 0.3545



59.6649, 0.3740, 0.3868



20.2861, 0.3174, 0.3583



0.0000, 0.0000, 0.0000



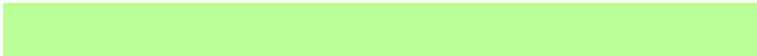
21.4041, 0.3127, 0.3290

Same Dimension

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



66.2250, 0.3256, 0.4263



84.0984, 0.3274, 0.4484



63.8859, 0.3012, 0.4159



16.3219, 0.3166, 0.3529



32.9896, 0.3174, 0.5862



2.4872, 0.3286, 0.5773

Inverse Universe

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



39.4418, 0.2935, 0.2378



44.4028, 0.2884, 0.2187



42.7400, 0.3271, 0.2554



14.3614, 0.3085, 0.3055



7.1465, 0.2384, 0.1087



0.5784, 0.2506, 0.1154

Previews

White Background



This preview shows how the Yxy color 66.2221, 0.3256, 0.4263 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 66.2221, 0.3256, 0.4263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

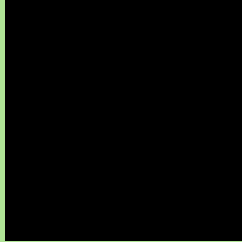
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2221, 0.3256, 0.4263

Background



This preview shows how black text looks on a background with the Yxy color 66.2221, 0.3256, 0.4263.

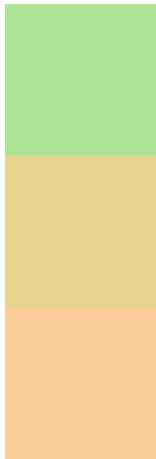


This preview shows how white text looks on a background with the Yxy color 66.2221, 0.3256, 0.4263.

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

66.2221, 0.3256, 0.4263

Protanopia

65.8931, 0.3762, 0.4055

Deuteranopia

65.5542, 0.3889, 0.3806



Tritanopia

65.7436, 0.2820, 0.3083

Trichromacy



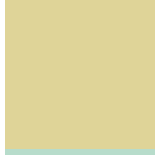
Original Color

66.2221, 0.3256, 0.4263



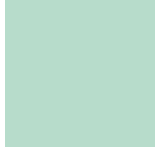
Protanomaly

65.3717, 0.3569, 0.4130



Deuteranomaly

65.0419, 0.3641, 0.3971



Tritanomaly

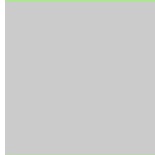
65.5655, 0.2979, 0.3494

Monochromacy



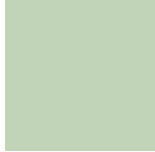
Original Color

66.2221, 0.3256, 0.4263



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.8433, 0.3185, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2221, 0.3256, 0.4263 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, 227, 149)` looks like.

```
.text, #text, p{  
    color:rgb(175, 227, 149)  
}
```

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, 227, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 227, 149) }
```

Border

The CSS property to change the border of an element to Yxy 66.2221, 0.3256, 0.4263 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, 227, 149) }
```

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

```
.border{ border-color:rgb(175, 227, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 227, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 227, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 227, 149);  
box-shadow:4px 4px 4px 4px rgb(175, 227,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2221, 0.3256, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 227, 149) }
```

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

```
.background{ background-color: rgb(175,  
227, 149) }
```

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