

Converting Colors

$Yxy(66.1028, 0.3631, 0.5204)$

Have a look what the booklet for
Yxy(66.1028, 0.3631, 0.5204)
contains.

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Color

Yxy(66.1467, 0.3636, 0.5204)

Conversions

Conversions Part 1

Format	Color
Hex	ABE73D
RGB	171, 231, 61
RGB Percent	67%, 91%, 24%
CMY	0.3293, 0.0941, 0.7608
CMYK	0.26, 0.00, 0.74, 0.09
HSL	81°, 78%, 57%
HSV	81°, 74%, 91%
XYZ	46.2163, 66.1467, 14.7445
YIQ	193.6800, 18.8100, -65.5900

Conversions

Conversions Part 2

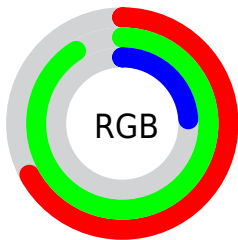
Format	Color
RYB	61, 231, 121
Decimal	11265853
CIELab	85.07, -42.47, 71.56
CIELCh	85, 83.213, 120.692
Yxy	66.1467, 0.3636, 0.5204
Android (android.graphics.Color)	4289455933 (0xFFABE73D)
YUV	193.6800, -65.4112, -19.8904
Hunter-Lab	81.3306, -40.8957, 46.1827

Details

The Yxy color **66.1467, 0.3636, 0.5204** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **13.1689, 0.2102, 0.1155**, and the grayscale version is **54.1389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6991, 0.3724, 0.4653**, and **34.1707, 0.3586, 0.5535** is the 20% darker color. If you saturate the color by 10%, you get **65.0647, 0.3633, 0.5371**, and if you desaturate by 10%, it is **67.3981, 0.3614, 0.4991**.

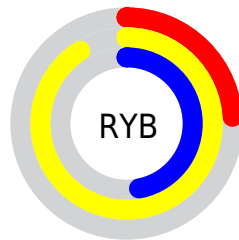
Distribution



Red (67%)

Green (91%)

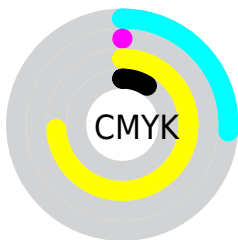
Blue (24%)



Red (24%)

Yellow (91%)

Blue (47%)

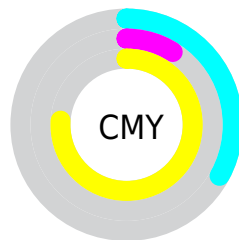


Cyan (26%)

Magenta (0%)

Yellow (74%)

Black (9%)



Cyan (33%)


Magenta (9%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1467, 0.3636, 0.5204 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 66.1467, 0.3636, 0.5204 by changing the saturation by 10% instead.


 66.1467, 0.3636,
0.5204


 66.1467, 0.3636,
0.5204


446.9013, 0.3475,
0.4286

 48.3915, 0.3645,
0.5406


 113.6969, 0.3601,
0.4888

 34.1370, 0.3638,
0.5647


 144.2606, 0.3581,
0.4764


 22.9989, 0.3603,
0.5932


 179.8627, 0.3561,
0.4656

 14.5927, 0.3526,
0.6289

 220.8874, 0.3542,
0.4563

 8.5340, 0.3332,
0.6668

 267.7193, 0.3524,
0.4481

 4.4385, 0.2945,
0.7055

320.7426, 0.3507,

 1.9218, 0.2222,

0.4408

0.7778

380.3418, 0.3491,
0.4344

0.5614, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.1467, 0.3636,
0.5204

66.1467, 0.3636,
0.5204

65.0647, 0.3633,
0.5371

67.3981, 0.3614,
0.4991

64.1275, 0.3605,
0.5488

68.8233, 0.3570,
0.4741


63.5895, 0.3578,
0.5541

70.4369, 0.3506,
0.4469

72.2491, 0.3429,
0.4187

 74.2694, 0.3342,
0.3906

 76.5065, 0.3251,
0.3634

 78.9688, 0.3160,
0.3378

 81.6637, 0.3070,
0.3140

 83.6714, 0.3067,
0.3053

Harmonies

Analogous

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



66.1467, 0.4496, 0.4764



66.1467, 0.3636, 0.5204



66.1467, 0.2697, 0.4902

Triad

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



66.1467, 0.3636, 0.5204



66.1467, 0.1474, 0.2082



66.1467, 0.4368, 0.2720

Complementary

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



66.1467, 0.3636, 0.5204



13.1689, 0.2102, 0.1155

Split Complementary

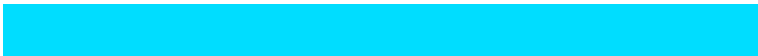
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1467, 0.3314, 0.2196



66.1467, 0.3636, 0.5204



66.1467, 0.1750, 0.1829

Square

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



66.1467, 0.3636, 0.5204



66.1467, 0.1520, 0.2740



66.1467, 0.2365, 0.1882



66.1467, 0.5049, 0.3366

Rectangle

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



66.1467, 0.3636, 0.5204



66.1467, 0.2149, 0.4231



66.1467, 0.2365, 0.1882



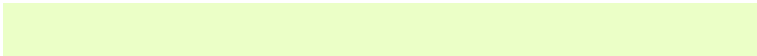
66.1467, 0.4033, 0.2527

Sweetspot

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



66.1496, 0.3636, 0.5204



93.3365, 0.3329, 0.3865



30.8781, 0.5092, 0.3875



19.8223, 0.3353, 0.3941



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.



66.1496, 0.3636, 0.5204



80.8275, 0.3622, 0.5435



59.4910, 0.3114, 0.5563



16.5495, 0.3213, 0.3526



35.7208, 0.3588, 0.5533



2.6911, 0.3677, 0.5463

Inverse Universe

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



13.1689, 0.2102, 0.1155



11.4792, 0.1890, 0.0870



22.1564, 0.2931, 0.1568



14.1332, 0.3035, 0.3051



4.2904, 0.1775, 0.0751



0.3675, 0.1937, 0.0841

Previews

White Background



This preview shows how the Yxy color 66.1467, 0.3636, 0.5204 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 66.1467, 0.3636, 0.5204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

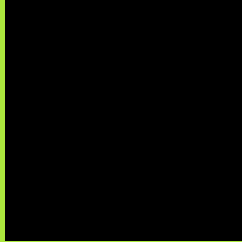
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1467, 0.3636, 0.5204

Background



This preview shows how black text looks on a background with the Yxy color 66.1467, 0.3636, 0.5204.

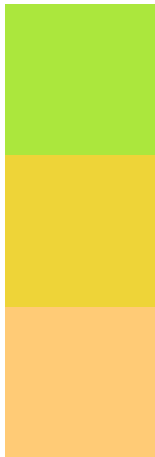


This preview shows how white text looks on a background with the Yxy color 66.1467, 0.3636, 0.5204.

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

66.1467, 0.3636, 0.5204

Protanopia

65.5496, 0.4303, 0.4739

Deuteranopia

65.2799, 0.4184, 0.4147



Tritanopia

65.5604, 0.2845, 0.3084

Trichromacy



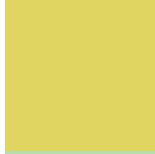
Original Color

66.1467, 0.3636, 0.5204



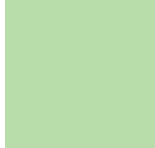
Protanomaly

65.2647, 0.4052, 0.4912



Deuteranomaly

64.2989, 0.4000, 0.4537



Tritanomaly

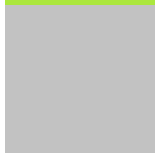
64.8055, 0.3196, 0.3917

Monochromacy



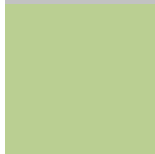
Original Color

66.1467, 0.3636, 0.5204



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.1401, 0.3396, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1467, 0.3636, 0.5204 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(171, 231, 61)` looks like.

```
.text, #text, p{  
    color:rgb(171, 231, 61)  
}
```

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(171, 231, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 231, 61) }
```

Border

The CSS property to change the border of an element to Yxy 66.1467, 0.3636, 0.5204 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(171, 231, 61) }
```

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

```
.border{ border-color:rgb(171, 231, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 231, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 231, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 231, 61);  
box-shadow:4px 4px 4px 4px rgb(171, 231,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1467, 0.3636, 0.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 231, 61) }
```

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

```
.background{ background-color: rgb(171,  
231, 61) }
```

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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