

Converting Colors

Yxy(66.2821, 0.3361, 0.4741)

Have a look what the booklet for
Yxy(66.2821, 0.3361, 0.4741)
contains.

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Color

Yxy(66.2821, 0.3361, 0.4741)

Conversions

Conversions Part 1

Format	Color
Hex	A4E773
RGB	164, 231, 115
RGB Percent	64%, 91%, 45%
CMY	0.3566, 0.0941, 0.5490
CMYK	0.29, 0.00, 0.50, 0.09
HSL	95°, 71%, 68%
HSV	95°, 50%, 91%
XYZ	46.9889, 66.2821, 26.5352
YIQ	197.7430, -2.6960, -50.2800

Conversions

Conversions Part 2

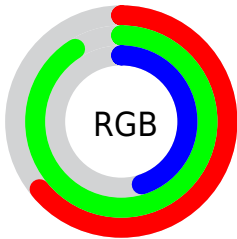
Format	Color
RYB	115, 231, 182
Decimal	10807155
CIELab	85.14, -40.59, 49.45
CIElCh	85, 63.980, 129.379
Yxy	66.2821, 0.3361, 0.4741
Android (android.graphics.Color)	4288997235 (0xFFA4E773)
YUV	197.7430, -40.7923, -29.5926
Hunter-Lab	81.4138, -39.4510, 37.6653

Details

The Yxy color **66.2821, 0.3361, 0.4741** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.9672, 0.2715, 0.1907**, and the grayscale version is **56.5694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7567, 0.3407, 0.4204**, and **34.2700, 0.3367, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **64.4728, 0.3377, 0.5039**, and if you desaturate by 10%, it is **68.3790, 0.3330, 0.4430**.

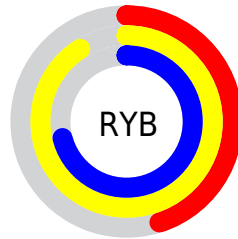
Distribution



Red (64%)

Green (91%)

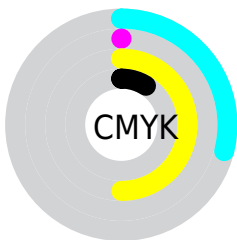
Blue (45%)



Red (45%)

Yellow (91%)

Blue (71%)

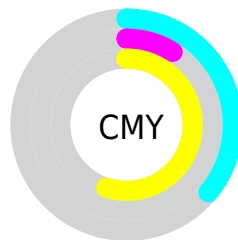


Cyan (29%)

Magenta (0%)

Yellow (50%)

Black (9%)



Cyan (36%)


Magenta (9%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2821, 0.3361, 0.4741 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 66.2821, 0.3361, 0.4741 by changing the saturation by 10% instead.

 66.2821, 0.3361,
0.4741


 66.2821, 0.3361,
0.4741


447.3851, 0.3286,
0.4024


 48.5014, 0.3366,
0.4912

 113.8911, 0.3344,
0.4485

 34.2242, 0.3365,
0.5126


 144.4883, 0.3335,
0.4387

 23.0659, 0.3351,
0.5399


 180.1264, 0.3325,
0.4304

 14.6421, 0.3310,
0.5753

221.1899, 0.3317,
0.4232

 8.5686, 0.3212,
0.6223

268.0631, 0.3308,
0.4170

 4.4609, 0.3035,
0.6965

321.1304, 0.3301,

 1.9346, 0.2374,

0.4115

0.7626

380.7763, 0.3293,
0.4067

0.5690, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.2821, 0.3361,
0.4741

66.2821, 0.3361,
0.4741

64.4728, 0.3377,
0.5039

68.3790, 0.3330,
0.4430

62.9278, 0.3375,
0.5306

70.7684, 0.3287,
0.4122


61.6337, 0.3353,
0.5528

73.4657, 0.3237,
0.3825

60.5714, 0.3311,
0.5691

76.4824, 0.3183,
0.3549

 59.7284, 0.3258,
0.5795

 79.8296, 0.3128,
0.3295

 83.5178, 0.3074,
0.3066

 85.6285, 0.3138,
0.3058

Harmonies

Analogous

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



66.2821, 0.4080, 0.4615



66.2821, 0.3361, 0.4741



66.2821, 0.2620, 0.4294

Triad

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



66.2821, 0.3361, 0.4741



66.2821, 0.1821, 0.2247



66.2821, 0.4281, 0.3002

Complementary

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



66.2821, 0.3361, 0.4741



27.9672, 0.2715, 0.1907

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.



66.2821, 0.3526, 0.2521



66.2821, 0.3361, 0.4741



66.2821, 0.2138, 0.2096

Square

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



66.2821, 0.3361, 0.4741



66.2821, 0.1789, 0.2701



66.2821, 0.2732, 0.2201



66.2821, 0.4680, 0.3567

Rectangle

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



66.2821, 0.3361, 0.4741



66.2821, 0.2214, 0.3750



66.2821, 0.2732, 0.2201



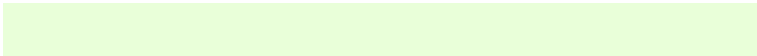
66.2821, 0.4054, 0.2829

Sweetspot

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



66.2850, 0.3361, 0.4741



93.8282, 0.3210, 0.3680



51.1634, 0.4135, 0.4028



19.9136, 0.3221, 0.3740



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.



66.2850, 0.3361, 0.4741



80.6633, 0.3377, 0.5042



62.2166, 0.3015, 0.4785



16.3855, 0.3179, 0.3528



33.5561, 0.3269, 0.5786



2.5334, 0.3384, 0.5695

Inverse Universe

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



27.9672, 0.2715, 0.1907



27.7072, 0.2603, 0.1635



34.5907, 0.3258, 0.2149



14.2957, 0.3071, 0.3054



6.1183, 0.2184, 0.0977



0.5065, 0.2329, 0.1057

Previews

White Background



This preview shows how the Yxy color 66.2821, 0.3361, 0.4741 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 66.2821, 0.3361, 0.4741 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 66.2821, 0.3361, 0.4741

Background



This preview shows how black text looks on a background with the Yxy color 66.2821, 0.3361, 0.4741.

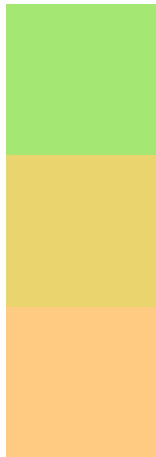


This preview shows how white text looks on a background with the Yxy color 66.2821, 0.3361, 0.4741.

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

66.2821, 0.3361, 0.4741

Protanopia

65.6835, 0.4019, 0.4382

Deuteranopia

65.6106, 0.4093, 0.4027



Tritanopia

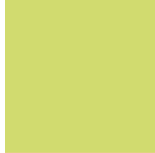
66.0860, 0.2778, 0.3093

Trichromacy



Original Color

66.2821, 0.3361, 0.4741



Protanomaly

65.3660, 0.3768, 0.4519



Deuteranomaly

64.5988, 0.3815, 0.4277



Tritanomaly

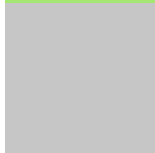
65.6509, 0.3000, 0.3683

Monochromacy



Original Color

66.2821, 0.3361, 0.4741



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3594, 0.3237, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2821, 0.3361, 0.4741 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(164, 231, 115)` looks like.

```
.text, #text, p{  
    color:rgb(164, 231, 115)  
}
```

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(164, 231, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 231, 115) }
```

Border

The CSS property to change the border of an element to Yxy 66.2821, 0.3361, 0.4741 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(164, 231, 115) }
```

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

```
.border{ border-color:rgb(164, 231, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 231, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 231, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 231, 115);  
box-shadow:4px 4px 4px 4px rgb(164, 231,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2821, 0.3361, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 231, 115) }
```

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

```
.background{ background-color: rgb(164,  
231, 115) }
```

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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