

Converting Colors

Yxy(65.1524, 0.3292, 0.4511)

Have a look what the booklet for
Yxy(65.1524, 0.3292, 0.4511)
contains.

Yxy(65.2597, 0.3289, 0.4507)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.2597, 0.3289, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	A6E484
RGB	166, 228, 132
RGB Percent	65%, 89%, 52%
CMY	0.3493, 0.1058, 0.4824
CMYK	0.27, 0.00, 0.42, 0.11
HSL	99°, 64%, 71%
HSV	99°, 42%, 89%
XYZ	47.6235, 65.2597, 31.9131
YIQ	198.5180, -6.1360, -43.0000

Conversions

Conversions Part 2

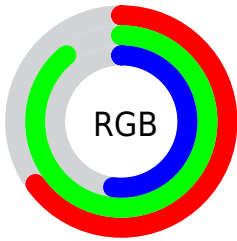
Format	Color
RYB	132, 228, 194
Decimal	10937476
CIELab	84.62, -36.57, 40.63
CIELCh	85, 54.660, 131.990
Yxy	65.2597, 0.3289, 0.4507
Android (android.graphics.Color)	4289127556 (0xFFA6E484)
YUV	198.5180, -32.7934, -28.5183
Hunter-Lab	80.7835, -36.1417, 33.1262

Details

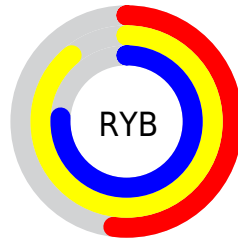
The Yxy color **65.2597, 0.3289, 0.4507** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.5829, 0.2860, 0.2158**, and the grayscale version is **57.0035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7531, 0.3324, 0.4019**, and **33.4637, 0.3295, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **63.2028, 0.3308, 0.4826**, and if you desaturate by 10%, it is **67.6413, 0.3259, 0.4189**.

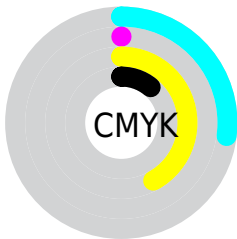
Distribution



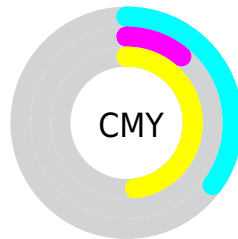
- Red (65%)
- Green (89%)
- Blue (52%)



- Red (52%)
- Yellow (89%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)





- Cyan (35%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2597, 0.3289, 0.4507 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 65.2597, 0.3289, 0.4507 by changing the saturation by 10% instead.


 65.2597, 0.3289,
0.4507


 65.2597, 0.3289,
0.4507


443.7246, 0.3236,
0.3903


 47.6717, 0.3293,
0.4654


 112.4231, 0.3276,
0.4290

 33.5670, 0.3294,
0.4838


 142.7674, 0.3270,
0.4208

 22.5611, 0.3287,
0.5077


 178.1325, 0.3263,
0.4138

 14.2698, 0.3262,
0.5396

218.9028, 0.3257,
0.4078

 8.3085, 0.3197,
0.5833

265.4628, 0.3251,
0.4026

 4.2930, 0.3137,
0.6666

318.1968, 0.3246,

 1.8388, 0.2598,

0.3980

0.7402

377.4893, 0.3241,
0.3939

■ 0.5112, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.2597, 0.3289,
0.4507

■ 65.2597, 0.3289,
0.4507

■ 63.2028, 0.3308,
0.4826

■ 67.6413, 0.3259,
0.4189

■ 61.4470, 0.3312,
0.5130

■ 70.3530, 0.3222,
0.3884

■ 59.9786, 0.3300,
0.5401

■ 73.4110, 0.3180,
0.3600


■ 58.7791, 0.3270,
0.5619

■ 76.8274, 0.3136,
0.3341

 57.8272, 0.3224,
0.5774

 80.6142, 0.3092,
0.3108

 57.2283, 0.3183,
0.5855

 83.8609, 0.3135,
0.3029

 83.9767, 0.3139,
0.3029

Harmonies

Analogous

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



65.2597, 0.3922, 0.4468



65.2597, 0.3289, 0.4507



65.2597, 0.2647, 0.4084

Triad

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



65.2597, 0.3289, 0.4507



65.2597, 0.1993, 0.2362



65.2597, 0.4163, 0.3090

Complementary

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



65.2597, 0.3289, 0.4507



33.5829, 0.2860, 0.2158

Split Complementary

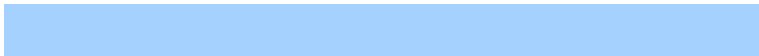
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.2597, 0.3537, 0.2650



65.2597, 0.3289, 0.4507



65.2597, 0.2300, 0.2240

Square

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



65.2597, 0.3289, 0.4507



65.2597, 0.1944, 0.2747



65.2597, 0.2845, 0.2348



65.2597, 0.4475, 0.3599

Rectangle

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



65.2597, 0.3289, 0.4507



65.2597, 0.2300, 0.3624



65.2597, 0.2845, 0.2348



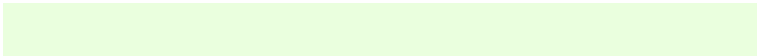
65.2597, 0.3978, 0.2932

Sweetspot

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



65.2625, 0.3289, 0.4507



94.2052, 0.3184, 0.3627



56.2184, 0.3909, 0.3982



19.9701, 0.3194, 0.3688



0.0000, 0.0000, 0.0000



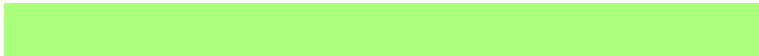
21.4041, 0.3127, 0.3290

Same Dimension

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



65.2625, 0.3289, 0.4507



81.6481, 0.3307, 0.4801



62.4399, 0.2997, 0.4418



16.3357, 0.3169, 0.3529



33.1000, 0.3193, 0.5847



2.4965, 0.3306, 0.5757

Inverse Universe

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



33.5829, 0.2860, 0.2158



35.4346, 0.2781, 0.1907



37.9152, 0.3295, 0.2378



14.3470, 0.3082, 0.3054



6.9069, 0.2339, 0.1062



0.5619, 0.2467, 0.1132

Previews

White Background



This preview shows how the Yxy color 65.2597, 0.3289, 0.4507 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 65.2597, 0.3289, 0.4507 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 65.2597, 0.3289, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 65.2597, 0.3289, 0.4507.



This preview shows how white text looks on a background with the Yxy color 65.2597, 0.3289, 0.4507.

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

65.2597, 0.3289, 0.4507

Protanopia

64.3968, 0.3894, 0.4223

Deuteranopia

64.4909, 0.4036, 0.3945



Tritanopia

64.9400, 0.2788, 0.3092

Trichromacy



Original Color

65.2597, 0.3289, 0.4507



Protanomaly

64.4496, 0.3657, 0.4329



Deuteranomaly

63.7383, 0.3741, 0.4143



Tritanomaly

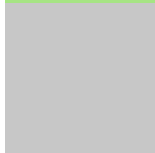
64.4020, 0.2975, 0.3584

Monochromacy



Original Color

65.2597, 0.3289, 0.4507



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.7531, 0.3196, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2597, 0.3289, 0.4507 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(166, 228, 132)` looks like.

```
.text, #text, p{  
    color:rgb(166, 228, 132)  
}
```

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(166, 228, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 228, 132) }
```

Border

The CSS property to change the border of an element to Yxy 65.2597, 0.3289, 0.4507 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(166, 228, 132) }
```

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

```
.border{ border-color:rgb(166, 228, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 228, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 228, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 228, 132); box-shadow:4px 4px 4px 4px rgb(166, 228, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2597, 0.3289, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 228, 132) }
```

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

```
.background{ background-color: rgb(166,  
228, 132) }
```

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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