

Converting Colors

Yxy(64.5943, 0.3542, 0.4732)

Have a look what the booklet for
Yxy(64.5943, 0.3542, 0.4732)
contains.

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Color

Yxy(64.5943, 0.3542, 0.4732)

Conversions

Conversions Part 1

Format	Color
Hex	B4E16A
RGB	180, 225, 106
RGB Percent	71%, 88%, 42%
CMY	0.2941, 0.1176, 0.5842
CMYK	0.20, 0.00, 0.53, 0.12
HSL	83°, 66%, 65%
HSV	83°, 53%, 88%
XYZ	48.3502, 64.5943, 23.5608
YIQ	197.9790, 11.3790, -46.5490

Conversions

Conversions Part 2

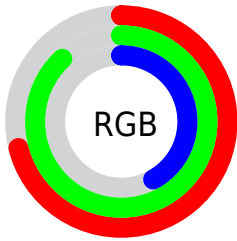
Format	Color
RYB	106, 225, 151
Decimal	11854186
CIELab	84.27, -33.08, 52.82
CIElCh	84, 62.319, 122.059
Yxy	64.5943, 0.3542, 0.4732
Android (android.graphics.Color)	4290044266 (0xFFB4E16A)
YUV	197.9790, -45.3456, -15.7676
Hunter-Lab	80.3706, -33.2646, 38.8784

Details

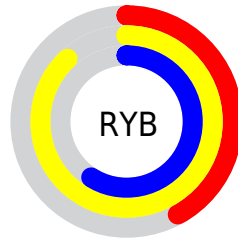
The Yxy color **64.5943, 0.3542, 0.4732** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.3312, 0.2467, 0.1748**, and the grayscale version is **56.7370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2352, 0.3572, 0.4259**, and **33.2916, 0.3579, 0.5107** is the 20% darker color. If you saturate the color by 10%, you get **63.1984, 0.3584, 0.4988**, and if you desaturate by 10%, it is **66.1814, 0.3482, 0.4455**.

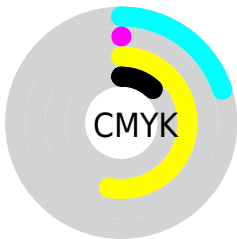
Distribution



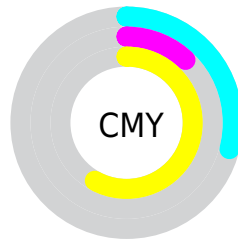
- Red (71%)
- Green (88%)
- Blue (42%)



- Red (42%)
- Yellow (88%)
- Blue (59%)



- Cyan (20%)
- Magenta (0%)
- Yellow (53%)
- Black (12%)




- Cyan (29%)
- Magenta (12%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5943, 0.3542, 0.4732 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 64.5943, 0.3542, 0.4732 by changing the saturation by 10% instead.


 64.5943, 0.3542,
0.4732


 64.5943, 0.3542,
0.4732


441.3326, 0.3383,
0.4027


 47.1322, 0.3565,
0.4897


 111.4664, 0.3496,
0.4483


 33.1402, 0.3586,
0.5100


 141.6451, 0.3475,
0.4387

 22.2338, 0.3598,
0.5355


 176.8316, 0.3456,
0.4305

 14.0288, 0.3587,
0.5678

 217.4101, 0.3439,
0.4234

 8.1407, 0.3543,
0.6127

263.7650, 0.3423,
0.4173

 4.1851, 0.3351,
0.6649

316.2809, 0.3409,

 1.7776, 0.2809,

0.4118

0.7191

375.3419, 0.3395,
0.4070

0.4732, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5943, 0.3542,
0.4732

64.5943, 0.3542,
0.4732

63.1984, 0.3584,
0.4988

66.1814, 0.3482,
0.4455

61.9742, 0.3604,
0.5209


67.9611, 0.3408,
0.4170


60.9122, 0.3599,
0.5386

69.9451, 0.3326,
0.3887


59.9973, 0.3569,
0.5510

72.1419, 0.3239,
0.3615

 59.4193, 0.3538,
0.5573

 74.5593, 0.3152,
0.3360

 77.2046, 0.3066,
0.3124

 79.5235, 0.3036,
0.2990

 81.0446, 0.3094,
0.2995

 82.3326, 0.3141,
0.2999

Harmonies

Analogous

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



64.5943, 0.4213, 0.4503



64.5943, 0.3542, 0.4732



64.5943, 0.2799, 0.4431

Triad

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



64.5943, 0.3542, 0.4732



64.5943, 0.1806, 0.2344



64.5943, 0.4101, 0.2881

Complementary

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



64.5943, 0.3542, 0.4732



22.3312, 0.2467, 0.1748

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.



64.5943, 0.3321, 0.2439



64.5943, 0.3542, 0.4732



64.5943, 0.2051, 0.2125

Square

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



64.5943, 0.3542, 0.4732



64.5943, 0.1845, 0.2870



64.5943, 0.2573, 0.2170



64.5943, 0.4602, 0.3426

Rectangle

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



64.5943, 0.3542, 0.4732



64.5943, 0.2364, 0.3948



64.5943, 0.2573, 0.2170



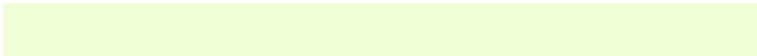
64.5943, 0.3857, 0.2719

Sweetspot

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



64.5972, 0.3542, 0.4732



94.8350, 0.3268, 0.3702



38.7504, 0.4362, 0.3798



20.1682, 0.3286, 0.3758



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.



64.5972, 0.3542, 0.4732



83.8351, 0.3586, 0.5001



59.0231, 0.3138, 0.4934



15.7571, 0.3209, 0.3526



34.3076, 0.3548, 0.5565



2.4288, 0.3647, 0.5486

Inverse Universe

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



22.3312, 0.2467, 0.1748



22.2676, 0.2299, 0.1437



29.3251, 0.3027, 0.1969



13.4946, 0.3039, 0.3052



4.3101, 0.1814, 0.0773



0.3489, 0.1987, 0.0868

Previews

White Background



This preview shows how the Yxy color 64.5943, 0.3542, 0.4732 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 64.5943, 0.3542, 0.4732 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 64.5943, 0.3542, 0.4732

Background



This preview shows how black text looks on a background with the Yxy color 64.5943, 0.3542, 0.4732.



This preview shows how white text looks on a background with the Yxy color 64.5943, 0.3542, 0.4732.

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

64.5943, 0.3542, 0.4732

Protanopia

64.1886, 0.4061, 0.4443

Deuteranopia

63.8766, 0.4202, 0.4119



Tritanopia

64.4799, 0.2902, 0.3095

Trichromacy



Original Color

64.5943, 0.3542, 0.4732



Protanomaly

63.7263, 0.3865, 0.4546



Deuteranomaly

63.3098, 0.3955, 0.4329



Tritanomaly

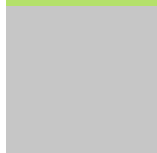
64.0335, 0.3152, 0.3689

Monochromacy



Original Color

64.5943, 0.3542, 0.4732



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.9047, 0.3300, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5943, 0.3542, 0.4732 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(180, 225, 106)` looks like.

```
.text, #text, p{  
    color:rgb(180, 225, 106)  
}
```

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(180, 225, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 225, 106) }
```

Border

The CSS property to change the border of an element to Yxy 64.5943, 0.3542, 0.4732 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(180, 225, 106) }
```

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

```
.border{ border-color:rgb(180, 225, 106) }
```

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

Here you see how a box with a 4 pixel rgb(180, 225, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 225, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 225, 106);  
box-shadow:4px 4px 4px 4px rgb(180, 225,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5943, 0.3542, 0.4732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 225, 106) }
```

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

```
.background{ background-color: rgb(180,  
225, 106) }
```

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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