

Converting Colors

Yxy(56.6813, 0.3367, 0.4441)

Have a look what the booklet for
Yxy(56.6813, 0.3367, 0.4441)
contains.

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Color

Yxy(56.6746, 0.3364, 0.4437)

Conversions

Conversions Part 1

Format	Color
Hex	A6D47D
RGB	166, 212, 125
RGB Percent	65%, 83%, 49%
CMY	0.3491, 0.1686, 0.5097
CMYK	0.22, 0.00, 0.41, 0.17
HSL	92°, 50%, 66%
HSV	92°, 41%, 83%
XYZ	42.9690, 56.6746, 28.0882
YIQ	188.3280, 0.5110, -36.8090

Conversions

Conversions Part 2

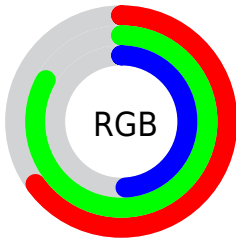
Format	Color
RYB	125, 212, 171
Decimal	10933373
CIELab	80.00, -30.03, 38.19
CIElCh	80, 48.587, 128.178
Yxy	56.6746, 0.3364, 0.4437
Android (android.graphics.Color)	4289123453 (0xFFA6D47D)
YUV	188.3280, -31.2207, -19.5817
Hunter-Lab	75.2825, -29.8621, 30.5764

Details

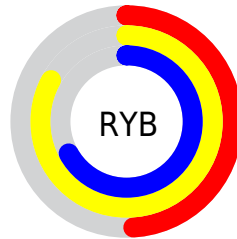
The Yxy color **56.6746, 0.3364, 0.4437** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.0962, 0.2773, 0.2162**, and the grayscale version is **50.6668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3043, 0.3357, 0.4095**, and **28.0531, 0.3393, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **55.0315, 0.3402, 0.4739**, and if you desaturate by 10%, it is **58.5441, 0.3314, 0.4135**.

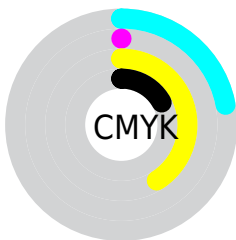
Distribution



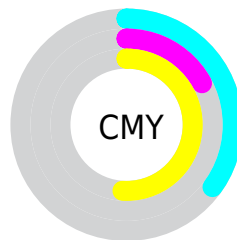
- Red (65%)
- Green (83%)
- Blue (49%)



- Red (49%)
- Yellow (83%)
- Blue (67%)



- Cyan (22%)
- Magenta (0%)
- Yellow (41%)
- Black (17%)




- Cyan (35%)
- Magenta (17%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6746, 0.3364, 0.4437 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 56.6746, 0.3364, 0.4437 by changing the saturation by 10% instead.


 56.6746, 0.3364,
0.4437


 56.6746, 0.3364,
0.4437


412.2289, 0.3270,
0.3858


 40.7440, 0.3379,
0.4580


 99.9902, 0.3336,
0.4227

 28.1191, 0.3393,
0.4763


 128.1441, 0.3324,
0.4148

 18.4155, 0.3402,
0.5002


 161.1412, 0.3313,
0.4081

 11.2487, 0.3396,
0.5324

199.3659, 0.3302,
0.4024

 6.2344, 0.3352,
0.5773

243.2026, 0.3293,
0.3974

 2.9881, 0.3327,
0.6673

293.0358, 0.3285,

 1.1255, 0.2207,

0.3930

0.7793

349.2497, 0.3277,
0.3892

0.0000, 0.0000,
0.0000

56.6746, 0.3364,
0.4437

56.6746, 0.3364,
0.4437

55.0315, 0.3402,
0.4739

58.5441, 0.3314,
0.4135

53.5973, 0.3424,
0.5026

60.6419, 0.3257,
0.3843

52.3634, 0.3427,
0.5283

62.9794, 0.3196,
0.3568

51.3174, 0.3408,
0.5494

65.5646, 0.3134,
0.3315


50.4448, 0.3368,
0.5649

68.4055, 0.3072,
0.3084

 49.7888, 0.3321,
0.5745

 71.5094, 0.3012,
0.2877

 73.6382, 0.3073,
0.2861

 75.5711, 0.3147,
0.2871

Harmonies

Analogous

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



56.6746, 0.3942, 0.4362



56.6746, 0.3364, 0.4437



56.6746, 0.2753, 0.4095

Triad

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



56.6746, 0.3364, 0.4437



56.6746, 0.2040, 0.2454



56.6746, 0.4030, 0.3049

Complementary

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



56.6746, 0.3364, 0.4437



28.0962, 0.2773, 0.2162

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.



56.6746, 0.3428, 0.2644



56.6746, 0.3364, 0.4437



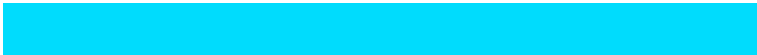
56.6746, 0.2302, 0.2304

Square

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



56.6746, 0.3364, 0.4437



56.6746, 0.2027, 0.2852



56.6746, 0.2791, 0.2379



56.6746, 0.4368, 0.3526

Rectangle

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



56.6746, 0.3364, 0.4437



56.6746, 0.2410, 0.3687



56.6746, 0.2791, 0.2379



56.6746, 0.3848, 0.2902

Sweetspot

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



56.6771, 0.3364, 0.4437



95.2402, 0.3203, 0.3597



44.2189, 0.3932, 0.3845



20.2816, 0.3211, 0.3633



0.0000, 0.0000, 0.0000



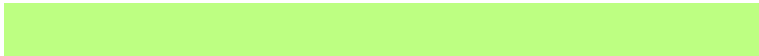
21.4041, 0.3127, 0.3290

Same Dimension

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



56.6771, 0.3364, 0.4437



83.9347, 0.3397, 0.4694



52.9728, 0.3060, 0.4527



14.1797, 0.3186, 0.3526



30.7931, 0.3331, 0.5737



1.9063, 0.3466, 0.5630

Inverse Universe

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



28.0962, 0.2773, 0.2162



34.9590, 0.2675, 0.1915



33.3559, 0.3188, 0.2302



12.3289, 0.3064, 0.3055



5.1298, 0.2087, 0.0923



0.3585, 0.2270, 0.1024

Previews

White Background



This preview shows how the Yxy color 56.6746, 0.3364, 0.4437 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 56.6746, 0.3364, 0.4437 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 56.6746, 0.3364, 0.4437

Background



This preview shows how black text looks on a background with the Yxy color 56.6746, 0.3364, 0.4437.



This preview shows how white text looks on a background with the Yxy color 56.6746, 0.3364, 0.4437.

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

56.6746, 0.3364, 0.4437

Protanopia

56.3432, 0.3869, 0.4200

Deuteranopia

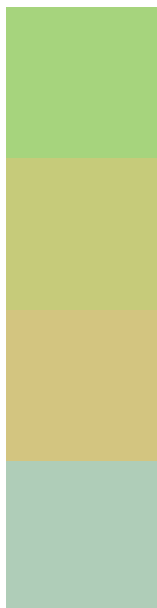
56.0114, 0.4022, 0.3942



Tritanopia

56.4863, 0.2862, 0.3095

Trichromacy



Original Color

56.6746, 0.3364, 0.4437

Protanomaly

56.1228, 0.3677, 0.4285

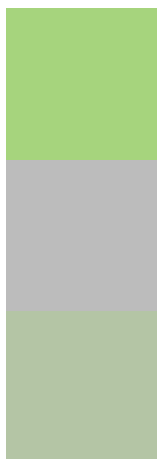
Deuteranomaly

55.3399, 0.3772, 0.4115

Tritanomaly

56.2373, 0.3047, 0.3558

Monochromacy



Original Color

56.6746, 0.3364, 0.4437

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.3524, 0.3227, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6746, 0.3364, 0.4437 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, 212, 125)` looks like.

```
.text, #text, p{  
    color:rgb(166, 212, 125)  
}
```

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, 212, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 212, 125) }
```

Border

The CSS property to change the border of an element to Yxy 56.6746, 0.3364, 0.4437 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, 212, 125) }
```

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

```
.border{ border-color:rgb(166, 212, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 212, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 212, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 212, 125);  
box-shadow:4px 4px 4px 4px rgb(166, 212,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6746, 0.3364, 0.4437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 212, 125) }
```

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

```
.background{ background-color: rgb(166,  
212, 125) }
```

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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