

Converting Colors

Yxy(56.9104, 0.3428, 0.4585)

Have a look what the booklet for
Yxy(56.9104, 0.3428, 0.4585)
contains.

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Color

Yxy(56.9104, 0.3428, 0.4585)

Conversions

Conversions Part 1

Format	Color
Hex	A6D572
RGB	166, 213, 114
RGB Percent	65%, 84%, 45%
CMY	0.3492, 0.1646, 0.5529
CMYK	0.22, 0.00, 0.46, 0.16
HSL	89°, 54%, 64%
HSV	89°, 46%, 84%
XYZ	42.5494, 56.9104, 24.6632
YIQ	187.6610, 3.7670, -40.7530

Conversions

Conversions Part 2

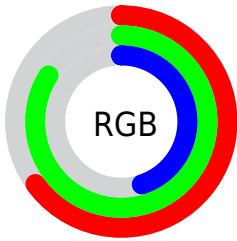
Format	Color
RYB	114, 213, 161
Decimal	10933618
CIELab	80.13, -31.86, 43.82
CIELCh	80, 54.180, 126.016
Yxy	56.9104, 0.3428, 0.4585
Android (android.graphics.Color)	4289123698 (0xFFA6D572)
YUV	187.6610, -36.3149, -18.9967
Hunter-Lab	75.4390, -31.3400, 33.4236

Details

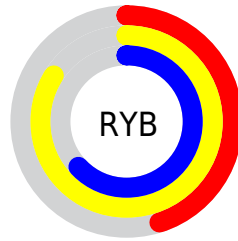
The Yxy color **56.9104, 0.3428, 0.4585** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.4263, 0.2659, 0.1984**, and the grayscale version is **50.2913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0351, 0.3426, 0.4210**, and **28.2573, 0.3464, 0.4942** is the 20% darker color. If you saturate the color by 10%, you get **55.4317, 0.3466, 0.4872**, and if you desaturate by 10%, it is **58.5933, 0.3375, 0.4289**.

Distribution



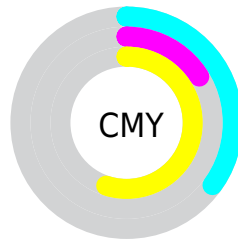
- Red (65%)
- Green (84%)
- Blue (45%)



- Red (45%)
- Yellow (84%)
- Blue (63%)



- Cyan (22%)
- Magenta (0%)
- Yellow (46%)
- Black (16%)





- Cyan (35%)
- Magenta (16%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9104, 0.3428, 0.4585 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 56.9104, 0.3428, 0.4585 by changing the saturation by 10% instead.


 56.9104, 0.3428,
0.4585

 56.9104, 0.3428,
0.4585


413.1135, 0.3310,
0.3933

 40.9333, 0.3446,
0.4745


 100.3344, 0.3394,
0.4349

 28.2670, 0.3461,
0.4947


 128.5502, 0.3378,
0.4260

 18.5270, 0.3469,
0.5208


 161.6142, 0.3364,
0.4185

 11.3290, 0.3456,
0.5554

199.9111, 0.3351,
0.4120

 6.2886, 0.3405,
0.6049

243.8250, 0.3340,
0.4064

 3.0213, 0.3236,
0.6764

293.7404, 0.3329,

 1.1429, 0.2013,

0.4015

0.7987

350.0418, 0.3319,
0.3971

0.0143, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.9104, 0.3428,
0.4585

56.9104, 0.3428,
0.4585

55.4317, 0.3466,
0.4872

58.5933, 0.3375,
0.4289

54.1396, 0.3486,
0.5135


60.4819, 0.3313,
0.3995


53.0257, 0.3483,
0.5360


62.5871, 0.3244,
0.3714


52.0774, 0.3458,
0.5534

64.9170, 0.3173,
0.3450

 51.2791, 0.3412,
0.5653

 67.4788, 0.3102,
0.3207

 51.0248, 0.3394,
0.5687

 70.2798, 0.3033,
0.2986

 72.7927, 0.3019,
0.2864

 74.5838, 0.3090,
0.2874

 76.0765, 0.3146,
0.2881

Harmonies

Analogous

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



56.9104, 0.4059, 0.4451



56.9104, 0.3428, 0.4585



56.9104, 0.2751, 0.4239

Triad

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



56.9104, 0.3428, 0.4585



56.9104, 0.1925, 0.2386



56.9104, 0.4091, 0.2983

Complementary

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



56.9104, 0.3428, 0.4585



24.4263, 0.2659, 0.1984

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.



56.9104, 0.3405, 0.2553



56.9104, 0.3428, 0.4585



56.9104, 0.2189, 0.2211

Square

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



56.9104, 0.3428, 0.4585



56.9104, 0.1928, 0.2837



56.9104, 0.2705, 0.2279



56.9104, 0.4495, 0.3498

Rectangle

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



56.9104, 0.3428, 0.4585



56.9104, 0.2366, 0.3786



56.9104, 0.2705, 0.2279



56.9104, 0.3881, 0.2827

Sweetspot

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



56.9129, 0.3428, 0.4585



94.8323, 0.3228, 0.3650



40.5786, 0.4098, 0.3859



20.1407, 0.3243, 0.3709



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.



56.9129, 0.3428, 0.4585



83.2733, 0.3466, 0.4875



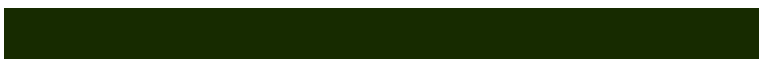
52.6149, 0.3079, 0.4736



14.2133, 0.3194, 0.3525



31.2242, 0.3404, 0.5679



1.9324, 0.3533, 0.5577

Inverse Universe

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



24.4263, 0.2659, 0.1984



28.5663, 0.2525, 0.1689



30.5012, 0.3146, 0.2155



12.2953, 0.3055, 0.3054



4.6937, 0.1982, 0.0865



0.3322, 0.2174, 0.0971

Previews

White Background



This preview shows how the Yxy color 56.9104, 0.3428, 0.4585 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 56.9104, 0.3428, 0.4585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

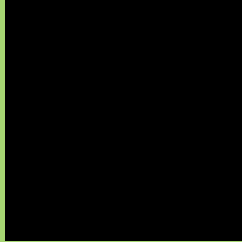
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9104, 0.3428, 0.4585

Background



This preview shows how black text looks on a background with the Yxy color 56.9104, 0.3428, 0.4585.



This preview shows how white text looks on a background with the Yxy color 56.9104, 0.3428, 0.4585.

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

56.9104, 0.3428, 0.4585

Protanopia

56.3977, 0.3963, 0.4309

Deuteranopia

56.2765, 0.4126, 0.4037



Tritanopia

56.6068, 0.2869, 0.3095

Trichromacy



Original Color

56.9104, 0.3428, 0.4585

Protanomaly

56.0017, 0.3759, 0.4406

Deuteranomaly

55.8423, 0.3857, 0.4231

Tritanomaly

56.1880, 0.3082, 0.3610

Monochromacy



Original Color

56.9104, 0.3428, 0.4585

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.2090, 0.3257, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9104, 0.3428, 0.4585 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, 213, 114)` looks like.

```
.text, #text, p{  
    color:rgb(166, 213, 114)  
}
```

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, 213, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 213, 114) }
```

Border

The CSS property to change the border of an element to Yxy 56.9104, 0.3428, 0.4585 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, 213, 114) }
```

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

```
.border{ border-color:rgb(166, 213, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 213, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 213, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 213, 114);  
box-shadow:4px 4px 4px 4px rgb(166, 213,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9104, 0.3428, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 213, 114) }
```

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

```
.background{ background-color: rgb(166,  
213, 114) }
```

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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