

Converting Colors

$Yxy(42.9416, 0.3660, 0.4358)$

Have a look what the booklet for
Yxy(42.9416, 0.3660, 0.4358)
contains.

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Color

Yxy(42.8179, 0.3665, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	ACB568
RGB	172, 181, 104
RGB Percent	67%, 71%, 41%
CMY	0.3256, 0.2902, 0.5921
CMYK	0.05, 0.00, 0.43, 0.29
HSL	67°, 34%, 56%
HSV	67°, 43%, 71%
XYZ	36.0339, 42.8179, 19.4672
YIQ	169.5310, 19.3530, -25.8550

Conversions

Conversions Part 2

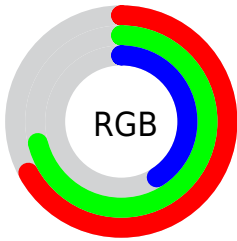
Format	Color
RYB	104, 181, 113
Decimal	11318632
CIELab	71.43, -14.98, 38.07
CIELCh	71, 40.914, 111.480
Yxy	42.8179, 0.3665, 0.4355
Android (android.graphics.Color)	4289508712 (0xFFACB568)
YUV	169.5310, -32.3068, 2.1653
Hunter-Lab	65.4354, -16.2157, 28.1659

Details

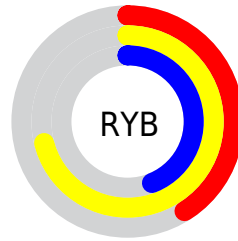
The Yxy color **42.8179, 0.3665, 0.4355** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.7551, 0.2430, 0.2025**, and the grayscale version is **40.1099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4627, 0.3576, 0.4162**, and **19.5562, 0.3790, 0.4674** is the 20% darker color. If you saturate the color by 10%, you get **42.2524, 0.3772, 0.4587**, and if you desaturate by 10%, it is **43.4701, 0.3545, 0.4106**.

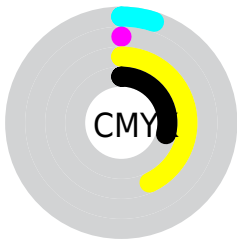
Distribution



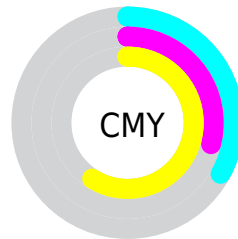
- Red (67%)
- Green (71%)
- Blue (41%)



- Red (41%)
- Yellow (71%)
- Blue (44%)



- Cyan (5%)
- Magenta (0%)
- Yellow (43%)
- Black (29%)





- Cyan (33%)
- Magenta (29%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8179, 0.3665, 0.4355 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 42.8179, 0.3665, 0.4355 by changing the saturation by 10% instead.


 42.8179, 0.3665,
0.4355


 42.8179, 0.3665,
0.4355


357.8623, 0.3410,
0.3807

 29.7423, 0.3721,
0.4493


 79.4360, 0.3578,
0.4154

 19.6430, 0.3786,
0.4668


 103.7472, 0.3543,
0.4079

 12.1358, 0.3860,
0.4897


 132.5725, 0.3513,
0.4016

 6.8363, 0.3934,
0.5201

 166.2961, 0.3487,
0.3962

 3.3599, 0.4150,
0.5850

205.3025, 0.3464,
0.3915

 1.3224, 0.3876,
0.6124

249.9761, 0.3444,

 0.1584, 0.0000,

0.3875

1.0000

300.7012, 0.3426,
0.3839

0.0000, 0.0000,
0.0000

42.8179, 0.3665,
0.4355

42.8179, 0.3665,
0.4355

42.2524, 0.3772,
0.4587

43.4701, 0.3545,
0.4106

41.7626, 0.3862,
0.4792

44.2078, 0.3417,
0.3851

41.3448, 0.3929,
0.4962


45.0373, 0.3287,
0.3597


40.9923, 0.3971,
0.5089


45.9625, 0.3159,
0.3350

40.6975, 0.3988,
0.5173


46.9873, 0.3035,
0.3117

 40.5031, 0.3989,
0.5215

 48.1151, 0.2918,
0.2899

 49.3494, 0.2808,
0.2698

 50.6935, 0.2706,
0.2514

 51.3580, 0.2683,
0.2457

Harmonies

Analogous

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



42.8179, 0.4114, 0.4126



42.8179, 0.3665, 0.4355



42.8179, 0.3095, 0.4250

Triad

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



42.8179, 0.3665, 0.4355



42.8179, 0.2076, 0.2695



42.8179, 0.3671, 0.2844

Complementary

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



42.8179, 0.3665, 0.4355



16.7551, 0.2430, 0.2025

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.



42.8179, 0.3070, 0.2529



42.8179, 0.3665, 0.4355



42.8179, 0.2193, 0.2423

Square

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



42.8179, 0.3665, 0.4355



42.8179, 0.2201, 0.3187



42.8179, 0.2539, 0.2376



42.8179, 0.4140, 0.3264

Rectangle

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



42.8179, 0.3665, 0.4355



42.8179, 0.2726, 0.3973



42.8179, 0.2539, 0.2376



42.8179, 0.3474, 0.2724

Sweetspot

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



42.8198, 0.3665, 0.4355



80.5455, 0.3296, 0.3614



22.6355, 0.4153, 0.3423



17.3361, 0.3325, 0.3669



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.8198, 0.3665, 0.4355



75.7300, 0.3766, 0.4572



39.0811, 0.3309, 0.4492



9.8551, 0.3246, 0.3516



27.9387, 0.3991, 0.5213



0.8933, 0.4051, 0.5165

Inverse Universe

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



16.7551, 0.2430, 0.2025



22.8916, 0.2245, 0.1707



19.8683, 0.2836, 0.2155



8.2763, 0.3002, 0.3056



2.4279, 0.1549, 0.0627



0.0917, 0.1727, 0.0725

Previews

White Background



This preview shows how the Yxy color 42.8179, 0.3665, 0.4355 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 42.8179, 0.3665, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

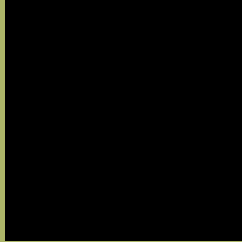
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8179, 0.3665, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 42.8179, 0.3665, 0.4355.



This preview shows how white text looks on a background with the Yxy color 42.8179, 0.3665, 0.4355.

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

42.8179, 0.3665, 0.4355

Protanopia

42.8257, 0.3906, 0.4238

Deuteranopia

42.5479, 0.4099, 0.4024



Tritanopia

42.9529, 0.3109, 0.3120

Trichromacy



Original Color

42.8179, 0.3665, 0.4355

Protanomaly

42.7378, 0.3818, 0.4274

Deuteranomaly

42.4160, 0.3940, 0.4139

Tritanomaly

42.5252, 0.3314, 0.3550

Monochromacy



Original Color

42.8179, 0.3665, 0.4355

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.0054, 0.3336, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8179, 0.3665, 0.4355 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(172, 181, 104)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 104)  
}
```

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(172, 181, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 104) }
```

Border

The CSS property to change the border of an element to Yxy 42.8179, 0.3665, 0.4355 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(172, 181, 104) }
```

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

```
.border{ border-color:rgb(172, 181, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 181, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 181, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 181, 104);  
box-shadow:4px 4px 4px 4px rgb(172, 181,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8179, 0.3665, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 104) }
```

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

```
.background{ background-color: rgb(172,  
181, 104) }
```

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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