

Converting Colors

$Yxy(42.7435, 0.3312, 0.4369)$

Have a look what the booklet for
Yxy(42.7435, 0.3312, 0.4369)
contains.

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Color

Yxy(42.7077, 0.3308, 0.4365)

Conversions

Conversions Part 1

Format	Color
Hex	90BB73
RGB	144, 187, 115
RGB Percent	56%, 73%, 45%
CMY	0.4354, 0.2666, 0.5489
CMYK	0.23, 0.00, 0.38, 0.27
HSL	96°, 35%, 59%
HSV	96°, 38%, 73%
XYZ	32.3659, 42.7077, 22.7677
YIQ	165.9350, -2.5160, -31.5080

Conversions

Conversions Part 2

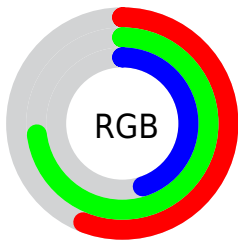
Format	Color
RYB	115, 187, 158
Decimal	9485171
CIELab	71.36, -27.38, 31.91
CIELCh	71, 42.042, 130.634
Yxy	42.7077, 0.3308, 0.4365
Android (android.graphics.Color)	4287675251 (0xFF90BB73)
YUV	165.9350, -25.1110, -19.2370
Hunter-Lab	65.3511, -25.9603, 25.0898

Details

The Yxy color **42.7077, 0.3308, 0.4365** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **23.1330, 0.2856, 0.2261**, and the grayscale version is **38.2255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0705, 0.3286, 0.4145**, and **19.7072, 0.3334, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **41.3645, 0.3339, 0.4675**, and if you desaturate by 10%, it is **44.2416, 0.3267, 0.4060**.

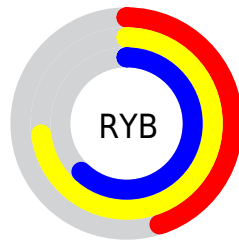
Distribution



Red (56%)

Green (73%)

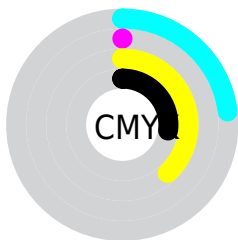
Blue (45%)



Red (45%)

Yellow (73%)

Blue (62%)

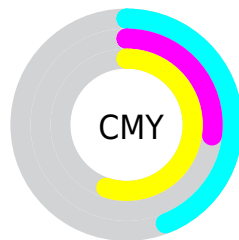


Cyan (23%)

Magenta (0%)

Yellow (38%)

Black (27%)



Cyan (44%)

Magenta (27%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7077, 0.3308, 0.4365 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 42.7077, 0.3308, 0.4365 by changing the saturation by 10% instead.


 42.7077, 0.3308,
0.4365


 42.7077, 0.3308,
0.4365


357.4083, 0.3234,
0.3796


 29.6558, 0.3319,
0.4516


 79.2696, 0.3286,
0.4151

 19.5775, 0.3328,
0.4714


 103.5484, 0.3276,
0.4073

 12.0883, 0.3331,
0.4983


 132.3383, 0.3267,
0.4008

 6.8038, 0.3312,
0.5367

166.0237, 0.3259,
0.3953

 3.3397, 0.3301,
0.6074

204.9890, 0.3252,
0.3905

 1.3116, 0.2865,
0.7135

249.6186, 0.3246,

 0.1501, 0.0000,

0.3864

1.0000

300.2969, 0.3240,
0.3828

0.0000, 0.0000,
0.0000

42.7077, 0.3308,
0.4365

42.7077, 0.3308,
0.4365

41.3645, 0.3339,
0.4675

44.2416, 0.3267,
0.4060

40.1982, 0.3356,
0.4977

45.9684, 0.3221,
0.3770

39.2019, 0.3356,
0.5253


47.8970, 0.3171,
0.3500


38.3657, 0.3338,
0.5488

50.0341, 0.3119,
0.3254


37.6783, 0.3301,
0.5668


52.3863, 0.3069,
0.3033


 37.1233, 0.3251,
0.5790

 54.9597, 0.3020,
0.2835

 37.0477, 0.3243,
0.5807

 57.7601, 0.2973,
0.2659

 60.1566, 0.2995,
0.2590

 62.1025, 0.3079,
0.2608

Harmonies

Analogous

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



42.7077, 0.3867, 0.4331



42.7077, 0.3308, 0.4365



42.7077, 0.2729, 0.4009

Triad

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



42.7077, 0.3308, 0.4365



42.7077, 0.2099, 0.2473



42.7077, 0.4024, 0.3098

Complementary

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



42.7077, 0.3308, 0.4365



23.1330, 0.2856, 0.2261

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.



42.7077, 0.3466, 0.2700



42.7077, 0.3308, 0.4365



42.7077, 0.2370, 0.2345

Square

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



42.7077, 0.3308, 0.4365



42.7077, 0.2067, 0.2836



42.7077, 0.2854, 0.2433



42.7077, 0.4318, 0.3559

Rectangle

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



42.7077, 0.3308, 0.4365



42.7077, 0.2410, 0.3616



42.7077, 0.2854, 0.2433



42.7077, 0.3858, 0.2955

Sweetspot

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



42.7096, 0.3308, 0.4365



84.4535, 0.3189, 0.3598



35.9244, 0.3839, 0.3869



18.4979, 0.3196, 0.3633



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.7096, 0.3308, 0.4365



74.4746, 0.3334, 0.4621



40.5717, 0.3033, 0.4348



10.8318, 0.3175, 0.3523



25.5642, 0.3252, 0.5800



1.0396, 0.3450, 0.5643

Inverse Universe

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



23.1330, 0.2856, 0.2261



34.5371, 0.2779, 0.2029



26.1719, 0.3236, 0.2422



9.4997, 0.3075, 0.3059



4.8788, 0.2237, 0.1006



0.2283, 0.2470, 0.1135

Previews

White Background



This preview shows how the Yxy color 42.7077, 0.3308, 0.4365 looks on a white background.

Color Contrast Check

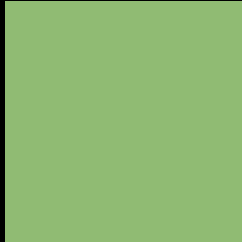
Large Text (above 18pt) WCAG AA × Fail

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 42.7077, 0.3308, 0.4365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

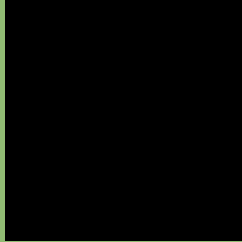
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7077, 0.3308, 0.4365

Background



This preview shows how black text looks on a background with the Yxy color 42.7077, 0.3308, 0.4365.



This preview shows how white text looks on a background with the Yxy color 42.7077, 0.3308, 0.4365.

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

42.7077, 0.3308, 0.4365

Protanopia

42.3450, 0.3827, 0.4136

Deuteranopia

42.4034, 0.3954, 0.3880



Tritanopia

42.7145, 0.2838, 0.3097

Trichromacy



Original Color

42.7077, 0.3308, 0.4365

Protanomaly

42.2943, 0.3622, 0.4223

Deuteranomaly

41.8944, 0.3711, 0.4047

Tritanomaly

42.4035, 0.3015, 0.3534

Monochromacy



Original Color

42.7077, 0.3308, 0.4365

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.6478, 0.3207, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7077, 0.3308, 0.4365 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(144, 187, 115)` looks like.

```
.text, #text, p{  
    color:rgb(144, 187, 115)  
}
```

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(144, 187, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 187, 115) }
```

Border

The CSS property to change the border of an element to Yxy 42.7077, 0.3308, 0.4365 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(144, 187, 115) }
```

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

```
.border{ border-color:rgb(144, 187, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 187, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 187, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 187, 115);  
box-shadow:4px 4px 4px 4px rgb(144, 187,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7077, 0.3308, 0.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 187, 115) }
```

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

```
.background{ background-color: rgb(144,  
187, 115) }
```

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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