

Converting Colors

$Y_{xy}(42.8390, 0.3715, 0.5433)$

Have a look what the booklet for
Yxy(42.8390, 0.3715, 0.5433)
contains.

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Color

Yxy(42.7506, 0.3718, 0.5430)

Conversions

Conversions Part 1

Format	Color
Hex	8BBF00
RGB	139, 191, 0
RGB Percent	55%, 75%, 0%
CMY	0.4551, 0.2509, 1.0000
CMYK	0.27, 0.00, 1.00, 0.25
HSL	76°, 100%, 37%
HSV	76°, 100%, 75%
XYZ	29.2720, 42.7506, 6.7078
YIQ	153.6780, 30.3190, -70.4250

Conversions

Conversions Part 2

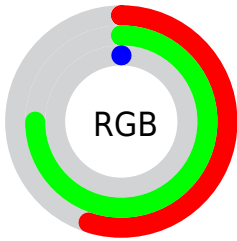
Format	Color
RYB	0, 191, 52
Decimal	9158400
CIELab	71.39, -39.01, 71.67
CIELCh	71, 81.601, 118.555
Yxy	42.7506, 0.3718, 0.5430
Android (android.graphics.Color)	4287348480 (0xFF8BBF00)
YUV	153.6780, -75.7633, -12.8726
Hunter-Lab	65.3839, -34.5086, 39.6861

Details

The Yxy color **42.7506, 0.3718, 0.5430** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.4940, 0.1668, 0.0692**, and the grayscale version is **32.4916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5843, 0.3685, 0.5052**, and **19.6852, 0.3524, 0.5584** is the 20% darker color. If you saturate the color by 10%, you get **42.7525, 0.3718, 0.5430**, and if you desaturate by 10%, it is **43.2586, 0.3742, 0.5346**.

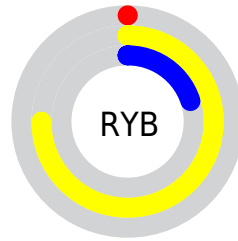
Distribution



Red (55%)

Green (75%)

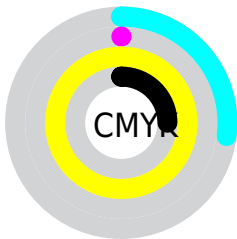
Blue (0%)



Red (0%)

Yellow (75%)

Blue (20%)

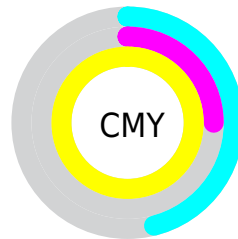


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (46%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7506, 0.3718, 0.5430 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 42.7506, 0.3718, 0.5430 by changing the saturation by 10% instead.


 42.7506, 0.3718,
0.5430

 42.7506, 0.3718,
0.5430


357.5851, 0.3530,
0.4346

 29.6895, 0.3714,
0.5674


 79.3344, 0.3685,
0.5049


 19.6030, 0.3675,
0.5960


 103.6258, 0.3662,
0.4901


 12.1068, 0.3622,
0.6378


 132.4295, 0.3637,
0.4774

 6.8165, 0.3348,
0.6652

 166.1298, 0.3613,
0.4664

 3.3476, 0.2927,
0.7073

 205.1111, 0.3591,
0.4569

 1.3158, 0.1574,
0.8426

 249.7578, 0.3569,

 0.1534, 0.0000,

0.4485

1.0000

300.4544, 0.3549,
0.4411

■ 0.0000, 0.0000,
0.0000

■ 42.7506, 0.3718,
0.5430

■ 42.7506, 0.3718,
0.5430

■ 42.7525, 0.3718,
0.5430

■ 43.2586, 0.3742,
0.5346

■ 43.8329, 0.3747,
0.5222

■ 44.4924, 0.3726,
0.5052

■ 45.2458, 0.3680,
0.4840

■ 46.1008, 0.3614,
0.4598

■ 47.0638, 0.3530,
0.4336

■ 48.1408, 0.3436,
0.4065

■ 49.3372, 0.3334,
0.3796

■ 50.6582, 0.3230,
0.3536

Harmonies

Analogous

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



42.7506, 0.4665, 0.4828



42.7506, 0.3718, 0.5430



42.7506, 0.2686, 0.5217

Triad

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



42.7506, 0.3718, 0.5430



42.7506, 0.1309, 0.1974



42.7506, 0.4450, 0.2600

Complementary

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



42.7506, 0.3718, 0.5430



4.4940, 0.1668, 0.0692

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.



42.7506, 0.3241, 0.2050



42.7506, 0.3718, 0.5430



42.7506, 0.1579, 0.1688

Square

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



42.7506, 0.3718, 0.5430



42.7506, 0.1372, 0.2720



42.7506, 0.2211, 0.1731



42.7506, 0.5262, 0.3283

Rectangle

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



42.7506, 0.3718, 0.5430



42.7506, 0.2075, 0.4467



42.7506, 0.2211, 0.1731



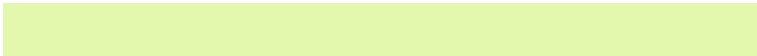
42.7506, 0.4059, 0.2397

Sweetspot

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



42.7525, 0.3718, 0.5430



86.1096, 0.3440, 0.4078



13.4404, 0.6044, 0.3583



18.7234, 0.3482, 0.4194



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.7525, 0.3718, 0.5430



76.4307, 0.3711, 0.5436



37.8161, 0.3089, 0.5930



10.9862, 0.3223, 0.3520



28.1332, 0.3724, 0.5425



1.1327, 0.3842, 0.5332

Inverse Universe

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



4.4940, 0.1668, 0.0692



7.9452, 0.1655, 0.0685



9.9140, 0.2623, 0.1219



9.3478, 0.3025, 0.3056



2.9877, 0.1679, 0.0699



0.1507, 0.1950, 0.0848

Previews

White Background



This preview shows how the Yxy color 42.7506, 0.3718, 0.5430 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 42.7506, 0.3718, 0.5430 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 42.7506, 0.3718, 0.5430

Background



This preview shows how black text looks on a background with the Yxy color 42.7506, 0.3718, 0.5430.



This preview shows how white text looks on a background with the Yxy color 42.7506, 0.3718, 0.5430.

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

42.7506, 0.3718, 0.5430

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

42.0977, 0.4642, 0.4546



Tritanopia

42.8147, 0.2846, 0.3098

Trichromacy



Original Color

42.7506, 0.3718, 0.5430

Protanomaly

42.2779, 0.4145, 0.5091

Deuteranomaly

41.2811, 0.4314, 0.4876

Tritanomaly

41.7561, 0.3319, 0.4196

Monochromacy



Original Color

42.7506, 0.3718, 0.5430

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.9088, 0.3547, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7506, 0.3718, 0.5430 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(139, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 191, 0)  
}
```

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(139, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.7506, 0.3718, 0.5430 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(139, 191, 0) }
```

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

```
.border{ border-color:rgb(139, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7506, 0.3718, 0.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 191, 0) }
```

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

```
.background{ background-color: rgb(139,  
191, 0) }
```

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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