

Converting Colors

$Y_{xy}(41.9450, 0.3617, 0.5510)$

Have a look what the booklet for
Yxy(41.9450, 0.3617, 0.5510)
contains.

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Color

Yxy(41.8508, 0.3622, 0.5506)

Conversions

Conversions Part 1

Format	Color
Hex	80BF00
RGB	128, 191, 0
RGB Percent	50%, 75%, 0%
CMY	0.4981, 0.2509, 0.9998
CMYK	0.33, 0.00, 1.00, 0.25
HSL	80°, 100%, 37%
HSV	80°, 100%, 75%
XYZ	27.5306, 41.8508, 6.6280
YIQ	150.3890, 23.7630, -72.7570

Conversions

Conversions Part 2

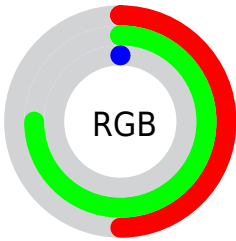
Format	Color
RYB	0, 191, 63
Decimal	8437504
CIELab	70.77, -43.18, 70.92
CIELCh	71, 83.033, 121.332
Yxy	41.8508, 0.3622, 0.5506
Android (android.graphics.Color)	4286627584 (0xFF80BF00)
YUV	150.3890, -74.1418, -19.6352
Hunter-Lab	64.6922, -37.2483, 39.2100

Details

The Yxy color **41.8508, 0.3622, 0.5506** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.8228, 0.1739, 0.0732**, and the grayscale version is **30.9893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1531, 0.3608, 0.5102**, and **19.1934, 0.3397, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **41.8511, 0.3622, 0.5506**, and if you desaturate by 10%, it is **42.4042, 0.3655, 0.5413**.

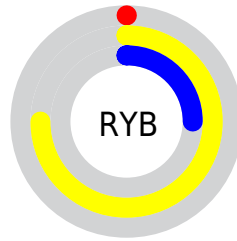
Distribution



Red (50%)

Green (75%)

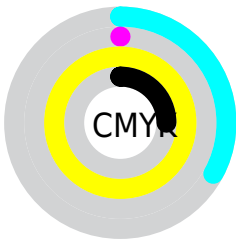
Blue (0%)



Red (0%)

Yellow (75%)

Blue (25%)

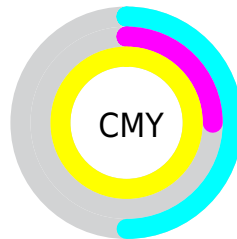


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (50%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8508, 0.3622, 0.5506 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 41.8508, 0.3622, 0.5506 by changing the saturation by 10% instead.


 41.8508, 0.3622,
0.5506

 41.8508, 0.3622,
0.5506


353.8641, 0.3485,
0.4367


 28.9845, 0.3604,
0.5768


 77.9738, 0.3608,
0.5102


 19.0691, 0.3547,
0.6078


 101.9992, 0.3592,
0.4945

 11.7202, 0.3468,
0.6532


 130.5131, 0.3573,
0.4812

 6.5535, 0.3156,
0.6844

 163.9000, 0.3554,
0.4698

 3.1844, 0.2680,
0.7320

 202.5441, 0.3535,
0.4598

 1.2288, 0.0604,
0.9396

 246.8299, 0.3517,

 0.0850, 0.0000,

0.4511

1.0000

297.1417, 0.3500,
0.4435

■ 0.0000, 0.0000,
0.0000

■ 41.8508, 0.3622,
0.5506

■ 41.8508, 0.3622,
0.5506

■ 41.8511, 0.3622,
0.5506

■ 42.4042, 0.3655,
0.5413

■ 43.0333, 0.3668,
0.5279

■ 43.7572, 0.3656,
0.5096

■ 44.5848, 0.3621,
0.4873

■ 45.5239, 0.3564,
0.4620

■ 46.5812, 0.3491,
0.4349

■ 47.7630, 0.3406,
0.4072

■ 49.0748, 0.3315,
0.3799

■ 50.5219, 0.3221,
0.3536

Harmonies

Analogous

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



41.8508, 0.4606, 0.4922



41.8508, 0.3622, 0.5506



41.8508, 0.2576, 0.5191

Triad

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



41.8508, 0.3622, 0.5506



41.8508, 0.1289, 0.1902



41.8508, 0.4586, 0.2644

Complementary

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



41.8508, 0.3622, 0.5506



4.8228, 0.1739, 0.0732

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.



41.8508, 0.3355, 0.2070



41.8508, 0.3622, 0.5506



41.8508, 0.1593, 0.1651

Square

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



41.8508, 0.3622, 0.5506



41.8508, 0.1319, 0.2607



41.8508, 0.2272, 0.1722



41.8508, 0.5348, 0.3342

Rectangle

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



41.8508, 0.3622, 0.5506



41.8508, 0.1974, 0.4367



41.8508, 0.2272, 0.1722



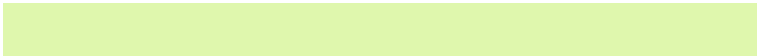
41.8508, 0.4195, 0.2434

Sweetspot

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



41.8526, 0.3622, 0.5506



85.4237, 0.3411, 0.4086



14.3644, 0.5923, 0.3678



18.5548, 0.3448, 0.4204



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.



41.8526, 0.3622, 0.5506



74.8108, 0.3613, 0.5513



37.6236, 0.3058, 0.5953



10.9585, 0.3215, 0.3520



27.5467, 0.3629, 0.5500



1.1132, 0.3769, 0.5390

Inverse Universe

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



4.8228, 0.1739, 0.0732



8.5151, 0.1725, 0.0724



10.8311, 0.2748, 0.1288



9.3742, 0.3034, 0.3056



3.2071, 0.1752, 0.0739



0.1620, 0.2035, 0.0894

Previews

White Background



This preview shows how the Yxy color 41.8508, 0.3622, 0.5506 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 41.8508, 0.3622, 0.5506 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 41.8508, 0.3622, 0.5506

Background



This preview shows how black text looks on a background with the Yxy color 41.8508, 0.3622, 0.5506.



This preview shows how white text looks on a background with the Yxy color 41.8508, 0.3622, 0.5506.

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

41.8508, 0.3622, 0.5506

Protanopia

41.4892, 0.4407, 0.4883

Deuteranopia

41.4362, 0.4631, 0.4544



Tritanopia

41.8496, 0.2769, 0.3093

Trichromacy



Original Color

41.8508, 0.3622, 0.5506

Protanomaly

41.3004, 0.4106, 0.5121

Deuteranomaly

40.6523, 0.4264, 0.4909

Tritanomaly

40.8476, 0.3231, 0.4222

Monochromacy



Original Color

41.8508, 0.3622, 0.5506

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

33.4873, 0.3508, 0.4403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8508, 0.3622, 0.5506 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(128, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.8508, 0.3622, 0.5506 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(128, 191, 0) }
```

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

```
.border{ border-color:rgb(128, 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(128, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8508, 0.3622, 0.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 191, 0) }
```

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

```
.background{ background-color: rgb(128,  
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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