

Converting Colors

$Y_{xy}(42.4211, 0.3680, 0.5154)$

Have a look what the booklet for
Yxy(42.4211, 0.3680, 0.5154)
contains.

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Color

Yxy(42.6452, 0.3680, 0.5154)

Conversions

Conversions Part 1

Format	Color
Hex	91BD32
RGB	145, 189, 50
RGB Percent	57%, 74%, 20%
CMY	0.4314, 0.2588, 0.8038
CMYK	0.23, 0.00, 0.74, 0.26
HSL	79°, 58%, 47%
HSV	79°, 74%, 74%
XYZ	30.4490, 42.6452, 9.6477
YIQ	159.9980, 18.3950, -52.5570

Conversions

Conversions Part 2

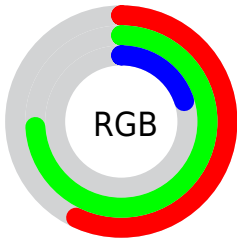
Format	Color
RYB	50, 189, 94
Decimal	9551154
CIELab	71.31, -34.23, 61.38
CIELCh	71, 70.277, 119.147
Yxy	42.6452, 0.3680, 0.5154
Android (android.graphics.Color)	4287741234 (0xFF91BD32)
YUV	159.9980, -54.2290, -13.1532
Hunter-Lab	65.3033, -31.0514, 36.9530

Details

The Yxy color **42.6452, 0.3680, 0.5154** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.3415, 0.2069, 0.1154**, and the grayscale version is **35.4028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9020, 0.3630, 0.4804**, and **19.5016, 0.3632, 0.5498** is the 20% darker color. If you saturate the color by 10%, you get **41.9865, 0.3685, 0.5318**, and if you desaturate by 10%, it is **43.4037, 0.3650, 0.4947**.

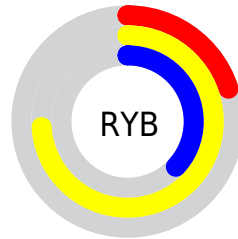
Distribution



Red (57%)

Green (74%)

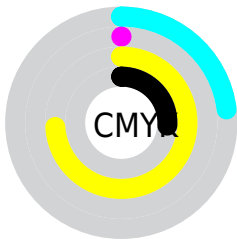
Blue (20%)



Red (20%)

Yellow (74%)

Blue (37%)

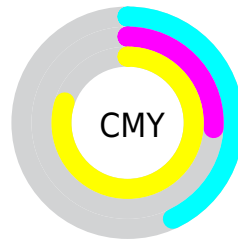


Cyan (23%)

Magenta (0%)

Yellow (74%)

Black (26%)



Cyan (43%)


Magenta (26%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6452, 0.3680, 0.5154 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 42.6452, 0.3680, 0.5154 by changing the saturation by 10% instead.

 42.6452, 0.3680,
0.5154

 42.6452, 0.3680,
0.5154


357.1506, 0.3474,
0.4194


 29.6068, 0.3696,
0.5383


 79.1752, 0.3629,
0.4809


 19.5404, 0.3693,
0.5662


 103.4356, 0.3602,
0.4677


 12.0614, 0.3650,
0.6007


 132.2054, 0.3577,
0.4565

 6.7855, 0.3539,
0.6461

 165.8692, 0.3553,
0.4469

 3.3283, 0.3168,
0.6832

 204.8112, 0.3531,
0.4386

 1.3054, 0.2137,
0.7863

 249.4158, 0.3510,

 0.1454, 0.0000,

0.4314

1.0000

300.0675, 0.3492,
0.4250

■ 0.0000, 0.0000,
0.0000

■ 42.6452, 0.3680,
0.5154

■ 42.6452, 0.3680,
0.5154

■ 41.9865, 0.3685,
0.5318

■ 43.4037, 0.3650,
0.4947

■ 41.4126, 0.3665,
0.5433

■ 44.2640, 0.3598,
0.4705

■ 41.0758, 0.3644,
0.5489

■ 45.2350, 0.3528,
0.4442

■ 46.3229, 0.3445,
0.4167

■ 47.5331, 0.3353,
0.3893

■ 48.8709, 0.3257,
0.3627

■ 50.3412, 0.3161,
0.3375

■ 51.9486, 0.3066,
0.3140

■ 53.6973, 0.2976,
0.2924

Harmonies

Analogous

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



42.6452, 0.4513, 0.4709



42.6452, 0.3680, 0.5154



42.6452, 0.2756, 0.4898

Triad

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



42.6452, 0.3680, 0.5154



42.6452, 0.1497, 0.2130



42.6452, 0.4293, 0.2703

Complementary

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



42.6452, 0.3680, 0.5154



8.3415, 0.2069, 0.1154

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.



42.6452, 0.3258, 0.2194



42.6452, 0.3680, 0.5154



42.6452, 0.1752, 0.1859

Square

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



42.6452, 0.3680, 0.5154



42.6452, 0.1561, 0.2801



42.6452, 0.2341, 0.1897



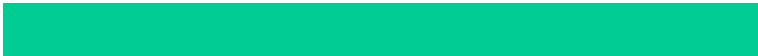
42.6452, 0.4989, 0.3336

Rectangle

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



42.6452, 0.3680, 0.5154



42.6452, 0.2208, 0.4267



42.6452, 0.2341, 0.1897



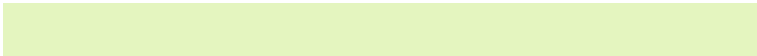
42.6452, 0.3961, 0.2514

Sweetspot

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



42.6471, 0.3680, 0.5154



85.3945, 0.3342, 0.3862



19.0635, 0.5115, 0.3814



18.2313, 0.3367, 0.3935



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.



42.6471, 0.3680, 0.5154



74.5700, 0.3676, 0.5391



38.1454, 0.3143, 0.5520



10.9649, 0.3217, 0.3520



27.6772, 0.3651, 0.5483



1.1176, 0.3785, 0.5376

Inverse Universe

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



8.3415, 0.2069, 0.1154



10.0530, 0.1841, 0.0845



13.8013, 0.2876, 0.1554



9.3681, 0.3032, 0.3056



3.1522, 0.1734, 0.0729



0.1594, 0.2015, 0.0884

Previews

White Background



This preview shows how the Yxy color 42.6452, 0.3680, 0.5154 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 42.6452, 0.3680, 0.5154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

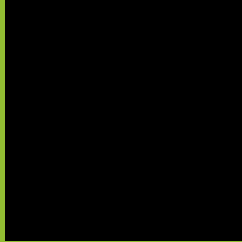
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6452, 0.3680, 0.5154

Background



This preview shows how black text looks on a background with the Yxy color 42.6452, 0.3680, 0.5154.



This preview shows how white text looks on a background with the Yxy color 42.6452, 0.3680, 0.5154.

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

42.6452, 0.3680, 0.5154

Protanopia

42.0715, 0.4290, 0.4732

Deuteranopia

42.1419, 0.4524, 0.4415



Tritanopia

42.3454, 0.2891, 0.3098

Trichromacy



Original Color

42.6452, 0.3680, 0.5154

Protanomaly

41.7925, 0.4067, 0.4889

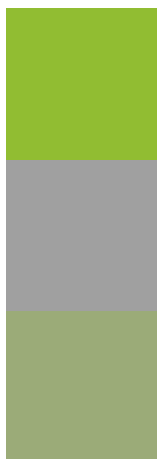
Deuteranomaly

41.6340, 0.4205, 0.4690

Tritanomaly

41.8804, 0.3235, 0.3904

Monochromacy



Original Color

42.6452, 0.3680, 0.5154

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.4504, 0.3411, 0.4059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6452, 0.3680, 0.5154 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(145, 189, 50)` looks like.

```
.text, #text, p{  
    color:rgb(145, 189, 50)  
}
```

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(145, 189, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 189, 50) }
```

Border

The CSS property to change the border of an element to Yxy 42.6452, 0.3680, 0.5154 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(145, 189, 50) }
```

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

```
.border{ border-color:rgb(145, 189, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 189, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 189, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 189, 50);  
box-shadow:4px 4px 4px 4px rgb(145, 189,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6452, 0.3680, 0.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 189, 50) }
```

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

```
.background{ background-color: rgb(145,  
189, 50) }
```

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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