

Converting Colors

$Y_{xy}(42.0421, 0.3514, 0.4705)$

Have a look what the booklet for
Yxy(42.0421, 0.3514, 0.4705)
contains.

Yxy(42.0421, 0.3514, 0.4705)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.0421, 0.3514, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	93BA59
RGB	147, 186, 89
RGB Percent	58%, 73%, 35%
CMY	0.4234, 0.2706, 0.6509
CMYK	0.21, 0.00, 0.52, 0.27
HSL	84°, 41%, 54%
HSV	84°, 52%, 73%
XYZ	31.3998, 42.0421, 15.9143
YIQ	163.2810, 7.8930, -38.4350

Conversions

Conversions Part 2

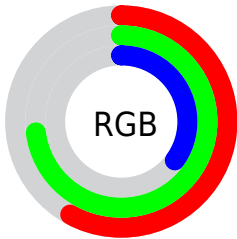
Format	Color
RYP	89, 186, 128
Decimal	9681497
CIELab	70.90, -28.92, 44.48
CIElCh	71, 53.053, 123.035
Yxy	42.0421, 0.3514, 0.4705
Android (android.graphics.Color)	4287871577 (0xFF93BA59)
YUV	163.2810, -36.6205, -14.2784
Hunter-Lab	64.8399, -27.0282, 30.8357

Details

The Yxy color **42.0421, 0.3514, 0.4705** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.2801, 0.2513, 0.1800**, and the grayscale version is **36.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1239, 0.3469, 0.4430**, and **19.2947, 0.3561, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **41.1011, 0.3554, 0.4966**, and if you desaturate by 10%, it is **43.1106, 0.3456, 0.4426**.

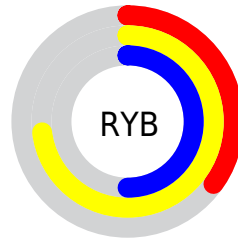
Distribution



Red (58%)

Green (73%)

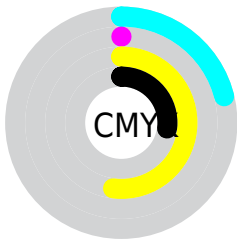
Blue (35%)



Red (35%)

Yellow (73%)

Blue (50%)

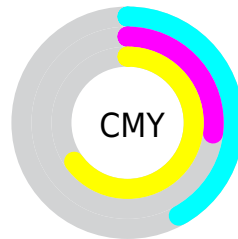


Cyan (21%)

Magenta (0%)

Yellow (52%)

Black (27%)



Cyan (42%)


Magenta (27%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0421, 0.3514, 0.4705 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 42.0421, 0.3514, 0.4705 by changing the saturation by 10% instead.


 42.0421, 0.3514,
0.4705

 42.0421, 0.3514,
0.4705


354.6574, 0.3352,
0.3960


 29.1343, 0.3539,
0.4896


 78.2633, 0.3465,
0.4429


 19.1824, 0.3559,
0.5142


 102.3455, 0.3444,
0.4326

 11.8022, 0.3564,
0.5464


 130.9213, 0.3424,
0.4241

 6.6091, 0.3537,
0.5913

 164.3750, 0.3407,
0.4168

 3.2189, 0.3423,
0.6577

203.0911, 0.3391,
0.4105

 1.2470, 0.2612,
0.7388

247.4539, 0.3377,

 0.0996, 0.0000,

0.4050

1.0000

297.8479, 0.3364,
0.4003

0.0000, 0.0000,
0.0000

42.0421, 0.3514,
0.4705

42.0421, 0.3514,
0.4705

41.1011, 0.3554,
0.4966

43.1106, 0.3456,
0.4426

40.2752, 0.3574,
0.5195

44.3073, 0.3386,
0.4141

39.5584, 0.3570,
0.5382

45.6399, 0.3309,
0.3861

38.9415, 0.3542,
0.5518

47.1136, 0.3227,
0.3593

38.5133, 0.3509,
0.5596

48.7336, 0.3145,
0.3341

■ 50.5045, 0.3064,
0.3110

■ 52.4308, 0.2986,
0.2899

■ 54.5169, 0.2913,
0.2708

■ 56.6754, 0.2853,
0.2549

Harmonies

Analogous

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



42.0421, 0.4180, 0.4498



42.0421, 0.3514, 0.4705



42.0421, 0.2783, 0.4390

Triad

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



42.0421, 0.3514, 0.4705



42.0421, 0.1829, 0.2348



42.0421, 0.4106, 0.2905

Complementary

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



42.0421, 0.3514, 0.4705



15.2801, 0.2513, 0.1800

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.



42.0421, 0.3344, 0.2463



42.0421, 0.3514, 0.4705



42.0421, 0.2080, 0.2140

Square

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



42.0421, 0.3514, 0.4705



42.0421, 0.1859, 0.2858



42.0421, 0.2604, 0.2192



42.0421, 0.4584, 0.3445

Rectangle

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



42.0421, 0.3514, 0.4705



42.0421, 0.2359, 0.3910



42.0421, 0.2604, 0.2192



42.0421, 0.3869, 0.2743

Sweetspot

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



42.0440, 0.3514, 0.4705



84.2670, 0.3261, 0.3701



26.5486, 0.4292, 0.3831



18.4356, 0.3278, 0.3757



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.



42.0440, 0.3514, 0.4705



74.2011, 0.3560, 0.5012



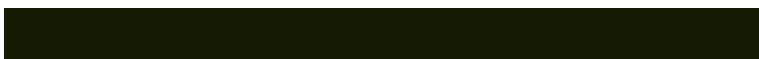
38.4743, 0.3116, 0.4899



10.3185, 0.3204, 0.3520



25.9563, 0.3517, 0.5589



0.9500, 0.3693, 0.5450

Inverse Universe

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



15.2801, 0.2513, 0.1800



20.2505, 0.2332, 0.1456



19.9575, 0.3069, 0.2015



8.8908, 0.3045, 0.3058



3.4252, 0.1860, 0.0798



0.1571, 0.2168, 0.0968

Previews

White Background



This preview shows how the Yxy color 42.0421, 0.3514, 0.4705 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 42.0421, 0.3514, 0.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

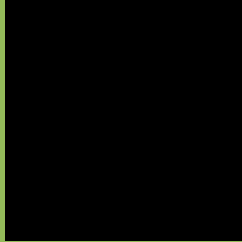
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0421, 0.3514, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 42.0421, 0.3514, 0.4705.



This preview shows how white text looks on a background with the Yxy color 42.0421, 0.3514, 0.4705.

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

42.0421, 0.3514, 0.4705

Protanopia

41.6194, 0.4037, 0.4413

Deuteranopia

41.7155, 0.4231, 0.4141



Tritanopia

41.8077, 0.2890, 0.3097

Trichromacy



Original Color

42.0421, 0.3514, 0.4705

Protanomaly

41.6266, 0.3839, 0.4530

Deuteranomaly

41.3512, 0.3956, 0.4349

Tritanomaly

41.5087, 0.3127, 0.3667

Monochromacy



Original Color

42.0421, 0.3514, 0.4705

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0715, 0.3295, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0421, 0.3514, 0.4705 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(147, 186, 89)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 89)  
}
```

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(147, 186, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 89) }
```

Border

The CSS property to change the border of an element to Yxy 42.0421, 0.3514, 0.4705 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(147, 186, 89) }
```

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

```
.border{ border-color:rgb(147, 186, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 186, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 89);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0421, 0.3514, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 89) }
```

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

```
.background{ background-color: rgb(147,  
186, 89) }
```

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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