

Converting Colors

$Y_{xy}(34.4812, 0.3706, 0.5298)$

Have a look what the booklet for
Yxy(34.4812, 0.3706, 0.5298)
contains.

Yxy(34.6381, 0.3704, 0.5300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6381, 0.3704, 0.5300)

Conversions

Conversions Part 1

Format	Color
Hex	81AD1C
RGB	129, 173, 28
RGB Percent	51%, 68%, 11%
CMY	0.4941, 0.3216, 0.8901
CMYK	0.25, 0.00, 0.84, 0.32
HSL	78°, 72%, 39%
HSV	78°, 84%, 68%
XYZ	24.2075, 34.6381, 6.5093
YIQ	143.3140, 20.3210, -54.4230

Conversions

Conversions Part 2

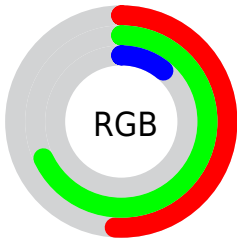
Format	Color
RYB	28, 173, 72
Decimal	8498460
CIELab	65.47, -34.21, 62.26
CIELCh	65, 71.035, 118.788
Yxy	34.6381, 0.3704, 0.5300
Android (android.graphics.Color)	4286688540 (0xFF81AD1C)
YUV	143.3140, -56.8498, -12.5534
Hunter-Lab	58.8541, -29.5754, 34.6403

Details

The Yxy color **34.6381, 0.3704, 0.5300** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.2270, 0.1904, 0.0936**, and the grayscale version is **27.8284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1823, 0.3658, 0.4912**, and **14.8888, 0.3560, 0.5555** is the 20% darker color. If you saturate the color by 10%, you get **34.1786, 0.3687, 0.5413**, and if you desaturate by 10%, it is **35.1694, 0.3696, 0.5139**.

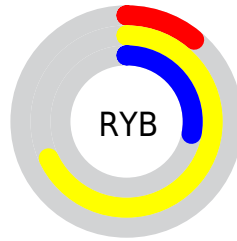
Distribution



Red (51%)

Green (68%)

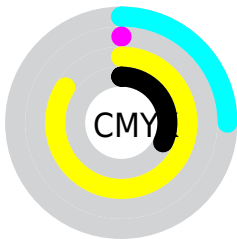
Blue (11%)



Red (11%)

Yellow (68%)

Blue (28%)

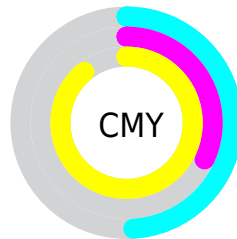


Cyan (25%)

Magenta (0%)

Yellow (84%)

Black (32%)



Cyan (49%)


Magenta (32%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6381, 0.3704, 0.5300 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 34.6381, 0.3704, 0.5300 by changing the saturation by 10% instead.

 34.6381, 0.3704,
0.5300

 34.6381, 0.3704,
0.5300


322.9680, 0.3493,
0.4237


 23.3842, 0.3710,
0.5557


 66.9247, 0.3657,
0.4913

 14.8775, 0.3684,
0.5868


 88.7263, 0.3630,
0.4766

 8.7334, 0.3651,
0.6349


 114.8126, 0.3603,
0.4643

 4.5677, 0.3344,
0.6656

 145.5679, 0.3578,
0.4537

 1.9959, 0.2842,
0.7158

 181.3767, 0.3554,
0.4446

 0.6051, 0.0000,
1.0000

 222.6234, 0.3532,

 0.0000, 0.0000,

0.4367

0.0000

269.6924, 0.3512,
0.4298

■ 34.6381, 0.3704,
0.5300

■ 34.6381, 0.3704,
0.5300

■ 34.1786, 0.3687,
0.5413

■ 35.1694, 0.3696,
0.5139

■ 33.9173, 0.3670,
0.5468

■ 35.7754, 0.3664,
0.4935

■ 36.4637, 0.3610,
0.4698

■ 37.2398, 0.3538,
0.4438

■ 38.1087, 0.3453,
0.4167

■ 39.0749, 0.3359,
0.3896

■ 40.1424, 0.3262,
0.3632

■ 41.3152, 0.3164,
0.3381

■ 42.5969, 0.3068,
0.3147

Harmonies

Analogous

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



34.6381, 0.4597, 0.4775



34.6381, 0.3704, 0.5300



34.6381, 0.2722, 0.5063

Triad

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



34.6381, 0.3704, 0.5300



34.6381, 0.1396, 0.2048



34.6381, 0.4374, 0.2648

Complementary

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



34.6381, 0.3704, 0.5300



5.2270, 0.1904, 0.0936

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.



34.6381, 0.3248, 0.2117



34.6381, 0.3704, 0.5300



34.6381, 0.1659, 0.1768

Square

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



34.6381, 0.3704, 0.5300



34.6381, 0.1461, 0.2760



34.6381, 0.2272, 0.1809



34.6381, 0.5132, 0.3309

Rectangle

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



34.6381, 0.3704, 0.5300



34.6381, 0.2140, 0.4371



34.6381, 0.2272, 0.1809



34.6381, 0.4011, 0.2452

Sweetspot

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



34.6396, 0.3704, 0.5300



69.6846, 0.3375, 0.3940



13.5407, 0.5489, 0.3767



15.0143, 0.3407, 0.4032



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.6396, 0.3704, 0.5300



60.6251, 0.3661, 0.5475



30.8423, 0.3128, 0.5727



9.2064, 0.3218, 0.3517



24.9475, 0.3675, 0.5464



0.7208, 0.3839, 0.5334

Inverse Universe

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



5.2270, 0.1904, 0.0936



6.6359, 0.1695, 0.0708



9.7785, 0.2795, 0.1404



7.8707, 0.3031, 0.3059



2.7894, 0.1720, 0.0721



0.1066, 0.2074, 0.0916

Previews

White Background



This preview shows how the Yxy color 34.6381, 0.3704, 0.5300 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 34.6381, 0.3704, 0.5300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

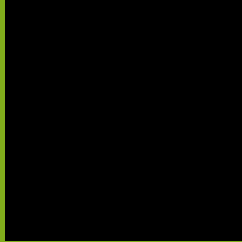
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6381, 0.3704, 0.5300

Background



This preview shows how black text looks on a background with the Yxy color 34.6381, 0.3704, 0.5300.



This preview shows how white text looks on a background with the Yxy color 34.6381, 0.3704, 0.5300.

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

34.6381, 0.3704, 0.5300

Protanopia

34.4459, 0.4359, 0.4820

Deuteranopia

34.1149, 0.4598, 0.4499



Tritanopia

34.4750, 0.2863, 0.3095

Trichromacy



Original Color

34.6381, 0.3704, 0.5300

Protanomaly

34.1982, 0.4116, 0.5001

Deuteranomaly

33.5798, 0.4277, 0.4787

Tritanomaly

33.7797, 0.3261, 0.3998

Monochromacy



Original Color

34.6381, 0.3704, 0.5300

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.4541, 0.3456, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6381, 0.3704, 0.5300 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(129, 173, 28)` looks like.

```
.text, #text, p{  
    color:rgb(129, 173, 28)  
}
```

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(129, 173, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 173, 28) }
```

Border

The CSS property to change the border of an element to Yxy 34.6381, 0.3704, 0.5300 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(129, 173, 28) }
```

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

```
.border{ border-color:rgb(129, 173, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 173, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 173, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 173, 28);  
box-shadow:4px 4px 4px 4px rgb(129, 173,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6381, 0.3704, 0.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 173, 28) }
```

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

```
.background{ background-color: rgb(129,  
173, 28) }
```

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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