

Converting Colors

$Y_{xy}(42.1252, 0.3116, 0.5901)$

Have a look what the booklet for
Yxy(42.1252, 0.3116, 0.5901)
contains.

Yxy(42.1252, 0.3116, 0.5901)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.1252, 0.3116, 0.5901)

Conversions

Conversions Part 1

Format	Color
Hex	37C802
RGB	55, 200, 2
RGB Percent	22%, 78%, 1%
CMY	0.7840, 0.2157, 0.9919
CMYK	0.72, 0.00, 0.99, 0.22
HSL	104°, 98%, 40%
HSV	104°, 99%, 78%
XYZ	22.2440, 42.1252, 7.0173
YIQ	134.0730, -22.8620, -92.3180

Conversions

Conversions Part 2

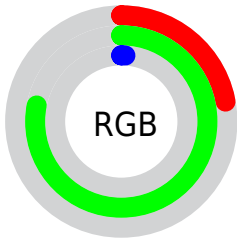
Format	Color
RYB	2, 200, 147
Decimal	3655682
CIELab	70.96, -66.69, 69.74
CIELCh	71, 96.494, 133.719
Yxy	42.1252, 0.3116, 0.5901
Android (android.graphics.Color)	4281845762 (0xFF37C802)
YUV	134.0730, -65.1120, -69.3470
Hunter-Lab	64.9039, -52.4059, 39.0224

Details

The Yxy color **42.1252, 0.3116, 0.5901** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **10.4172, 0.2544, 0.1179**, and the grayscale version is **24.1304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4741, 0.3211, 0.5374**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.0803, 0.3112, 0.5911**, and if you desaturate by 10%, it is **42.6579, 0.3161, 0.5786**.

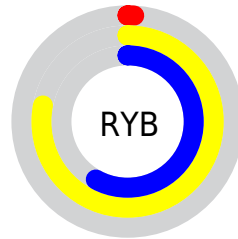
Distribution



Red (22%)

Green (78%)

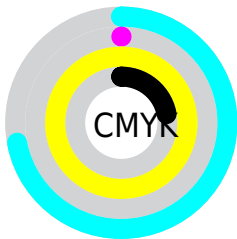
Blue (1%)



Red (1%)

Yellow (78%)

Blue (58%)

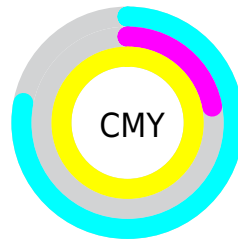


Cyan (72%)

Magenta (0%)

Yellow (99%)

Black (22%)



Cyan (78%)


Magenta (22%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1252, 0.3116, 0.5901 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 42.1252, 0.3116, 0.5901 by changing the saturation by 10% instead.


 42.1252, 0.3116,
0.5901


 42.1252, 0.3116,
0.5901

355.0017, 0.3251,
0.4500


 29.1993, 0.3028,
0.6246


 78.3891, 0.3204,
0.5386


 19.2317, 0.2881,
0.6668


 102.4959, 0.3225,
0.5193

 11.8378, 0.2676,
0.7286


 131.0985, 0.3237,
0.5030

 6.6333, 0.2227,
0.7773

 164.5812, 0.3245,
0.4892

 3.2339, 0.1514,
0.8486

 203.3285, 0.3249,
0.4773

 1.2550, 0.0000,
1.0000

 247.7247, 0.3251,


 0.1060, 0.0000,


0.4670


1.0000

298.1543, 0.3251,
0.4579

 0.0000, 0.0000,
0.0000

 42.1252, 0.3116,
0.5901


 42.1252, 0.3116,
0.5901


 42.0803, 0.3112,
0.5911

 42.6579, 0.3161,
0.5786

 43.3773, 0.3199,
0.5604

 44.3096, 0.3225,
0.5358

 45.4723, 0.3238,
0.5064

 46.8807, 0.3238,
0.4743

■ 48.5489, 0.3227,
0.4415

■ 50.4898, 0.3208,
0.4094

■ 52.7152, 0.3183,
0.3792

■ 55.2365, 0.3154,
0.3515

Harmonies

Analogous

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



42.1252, 0.4267, 0.5423



42.1252, 0.3116, 0.5901



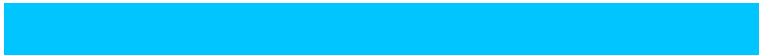
42.1252, 0.2023, 0.4988

Triad

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



42.1252, 0.3116, 0.5901



42.1252, 0.1192, 0.1570



42.1252, 0.5276, 0.2841

Complementary

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



42.1252, 0.3116, 0.5901



10.4172, 0.2544, 0.1179

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.



42.1252, 0.3978, 0.2158



42.1252, 0.3116, 0.5901



42.1252, 0.1667, 0.1468

Square

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



42.1252, 0.3116, 0.5901



42.1252, 0.1069, 0.2085



42.1252, 0.2599, 0.1673



42.1252, 0.5721, 0.3607

Rectangle

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



42.1252, 0.3116, 0.5901



42.1252, 0.1488, 0.3815



42.1252, 0.2599, 0.1673



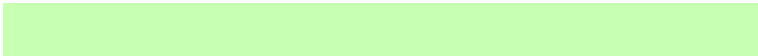
42.1252, 0.4908, 0.2601

Sweetspot

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



42.1270, 0.3116, 0.5901



86.8949, 0.3211, 0.4140



32.2055, 0.4794, 0.4569



18.2853, 0.3220, 0.4276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.1270, 0.3116, 0.5901



72.7594, 0.3104, 0.5918



41.5105, 0.2936, 0.5762



12.0230, 0.3155, 0.3526



26.7945, 0.3120, 0.5905



1.3054, 0.3281, 0.5777

Inverse Universe

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



10.4172, 0.2544, 0.1179



17.7481, 0.2527, 0.1166



14.7623, 0.3842, 0.1895



10.6683, 0.3096, 0.3059



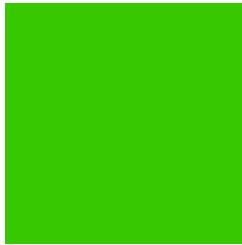
6.6085, 0.2546, 0.1176



0.3470, 0.2690, 0.1256

Previews

White Background



This preview shows how the Yxy color 42.1252, 0.3116, 0.5901 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 42.1252, 0.3116, 0.5901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

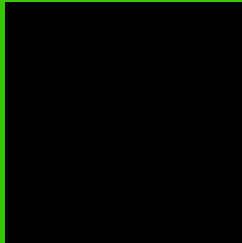
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1252, 0.3116, 0.5901

Background



This preview shows how black text looks on a background with the Yxy color 42.1252, 0.3116, 0.5901.



This preview shows how white text looks on a background with the Yxy color 42.1252, 0.3116, 0.5901.

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

42.1252, 0.3116, 0.5901

Protanopia

41.3565, 0.4398, 0.4890

Deuteranopia

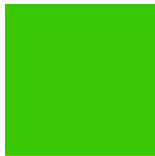
41.1205, 0.4618, 0.4505



Tritanopia

41.9315, 0.2425, 0.3068

Trichromacy



Original Color

42.1252, 0.3116, 0.5901



Protanomaly

39.7088, 0.3811, 0.5353



Deuteranomaly

38.4036, 0.3969, 0.5108



Tritanomaly

40.6404, 0.2775, 0.4326

Monochromacy



Original Color

42.1252, 0.3116, 0.5901



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.1289, 0.3232, 0.4607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1252, 0.3116, 0.5901 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(55, 200, 2)` looks like.

```
.text, #text, p{  
    color:rgb(55, 200, 2)  
}
```

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(55, 200, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 200, 2) }
```

Border

The CSS property to change the border of an element to Yxy 42.1252, 0.3116, 0.5901 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(55, 200, 2) }
```

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

```
.border{ border-color:rgb(55, 200, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 200, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 200, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 200, 2);  
box-shadow:4px 4px 4px 4px rgb(55, 200, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.1252, 0.3116, 0.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 200, 2) }
```

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

```
.background{ background-color: rgb(55, 200,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor