

Converting Colors

$Y_{xy}(42.2077, 0.3233, 0.5797)$

Have a look what the booklet for
Yxy(42.2077, 0.3233, 0.5797)
contains.

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Color

Yxy(42.0614, 0.3232, 0.5799)

Conversions

Conversions Part 1

Format	Color
Hex	4FC605
RGB	79, 198, 5
RGB Percent	31%, 78%, 2%
CMY	0.6904, 0.2235, 0.9801
CMYK	0.60, 0.00, 0.97, 0.22
HSL	97°, 95%, 40%
HSV	97°, 97%, 78%
XYZ	23.4424, 42.0614, 7.0284
YIQ	140.4170, -8.9710, -85.2510

Conversions

Conversions Part 2

Format	Color
RYB	5, 198, 124
Decimal	5228037
CIELab	70.91, -61.06, 69.62
CIELCh	71, 92.606, 131.253
Yxy	42.0614, 0.3232, 0.5799
Android (android.graphics.Color)	4283418117 (0xFF4FC605)
YUV	140.4170, -66.7606, -53.8627
Hunter-Lab	64.8548, -48.9752, 38.9730

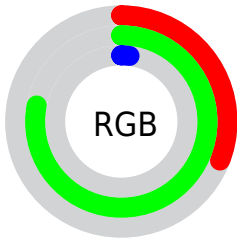
Details

The Yxy color **42.0614, 0.3232, 0.5799** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **8.4843, 0.2290, 0.1045**, and the grayscale version is **26.6627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8800, 0.3300, 0.5306**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.9209, 0.3219, 0.5826**, and if you desaturate by 10%, it is **42.6943, 0.3283, 0.5674**.

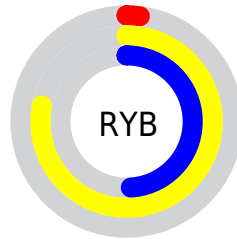
Distribution



Red (31%)

Green (78%)

Blue (2%)



Red (2%)

Yellow (78%)

Blue (49%)

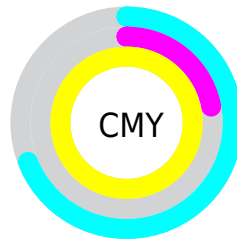


Cyan (60%)

Magenta (0%)

Yellow (97%)

Black (22%)



Cyan (69%)


Magenta (22%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0614, 0.3232, 0.5799 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 42.0614, 0.3232, 0.5799 by changing the saturation by 10% instead.


 42.0614, 0.3232,
0.5799


 42.0614, 0.3232,
0.5799


354.7374, 0.3303,
0.4463

 29.1494, 0.3161,
0.6125


 78.2925, 0.3295,
0.5311


 19.1938, 0.3036,
0.6521


 102.3804, 0.3307,
0.5127

 11.8104, 0.2860,
0.7101


 130.9624, 0.3313,
0.4971

 6.6147, 0.2443,
0.7557

 164.4229, 0.3314,
0.4839

 3.2223, 0.1805,
0.8195

 203.1462, 0.3313,
0.4725

 1.2489, 0.0000,
1.0000

 247.5168, 0.3310,

 0.1011, 0.0000,

0.4626

1.0000

297.9191, 0.3307,
0.4540

■ 0.0000, 0.0000,
0.0000

■ 42.0614, 0.3232,
0.5799

■ 42.0614, 0.3232,
0.5799

■ 41.9209, 0.3219,
0.5826

■ 42.6943, 0.3283,
0.5674

■ 43.4855, 0.3319,
0.5488

■ 44.4538, 0.3337,
0.5245

■ 45.6123, 0.3338,
0.4962

■ 46.9727, 0.3322,
0.4655

■ 48.5455, 0.3293,
0.4341

■ 50.3405, 0.3255,
0.4034

■ 52.3666, 0.3210,
0.3743

■ 54.6325, 0.3163,
0.3474

Harmonies

Analogous

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



42.0614, 0.4345, 0.5302



42.0614, 0.3232, 0.5799



42.0614, 0.2149, 0.5032

Triad

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



42.0614, 0.3232, 0.5799



42.0614, 0.1220, 0.1645



42.0614, 0.5116, 0.2806

Complementary

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



42.0614, 0.3232, 0.5799



8.4843, 0.2290, 0.1045

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.



42.0614, 0.3832, 0.2145



42.0614, 0.3232, 0.5799



42.0614, 0.1657, 0.1514

Square

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



42.0614, 0.3232, 0.5799



42.0614, 0.1128, 0.2198



42.0614, 0.2527, 0.1690



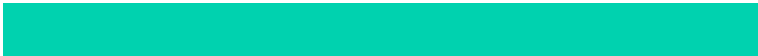
42.0614, 0.5638, 0.3557

Rectangle

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



42.0614, 0.3232, 0.5799



42.0614, 0.1597, 0.3938



42.0614, 0.2527, 0.1690



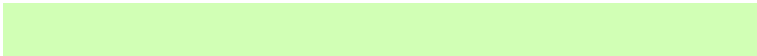
42.0614, 0.4741, 0.2571

Sweetspot

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



42.0632, 0.3232, 0.5799



88.4661, 0.3263, 0.4094



26.4468, 0.5037, 0.4363



18.6378, 0.3280, 0.4227



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.



42.0632, 0.3232, 0.5799



74.0956, 0.3209, 0.5834



40.5071, 0.2975, 0.5889



12.0825, 0.3172, 0.3525



27.3051, 0.3228, 0.5819



1.3344, 0.3398, 0.5684

Inverse Universe

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



8.4843, 0.2290, 0.1045



14.4264, 0.2253, 0.1015



15.2322, 0.3519, 0.1722



10.6060, 0.3078, 0.3058



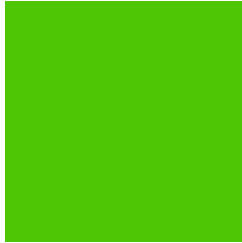
5.4023, 0.2278, 0.1029



0.2965, 0.2473, 0.1136

Previews

White Background



This preview shows how the Yxy color 42.0614, 0.3232, 0.5799 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 42.0614, 0.3232, 0.5799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

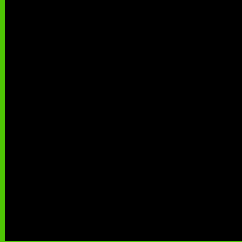
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0614, 0.3232, 0.5799

Background



This preview shows how black text looks on a background with the Yxy color 42.0614, 0.3232, 0.5799.



This preview shows how white text looks on a background with the Yxy color 42.0614, 0.3232, 0.5799.

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

42.0614, 0.3232, 0.5799

Protanopia

41.3565, 0.4398, 0.4890

Deuteranopia

41.1133, 0.4622, 0.4511



Tritanopia

41.7840, 0.2499, 0.3070

Trichromacy



Original Color

42.0614, 0.3232, 0.5799



Protanomaly

40.1357, 0.3903, 0.5277



Deuteranomaly

39.3549, 0.4055, 0.5037



Tritanomaly

40.6064, 0.2877, 0.4289

Monochromacy



Original Color

42.0614, 0.3232, 0.5799



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.0966, 0.3312, 0.4509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0614, 0.3232, 0.5799 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(79, 198, 5)` looks like.

```
.text, #text, p{  
    color:rgb(79, 198, 5)  
}
```

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(79, 198, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 198, 5) }
```

Border

The CSS property to change the border of an element to Yxy 42.0614, 0.3232, 0.5799 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(79, 198, 5) }
```

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

```
.border{ border-color:rgb(79, 198, 5) }
```

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

Here you see how a box with a 4 pixel rgb(79, 198, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 198, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 198, 5);  
box-shadow:4px 4px 4px 4px rgb(79, 198, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.0614, 0.3232, 0.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 198, 5) }
```

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

```
.background{ background-color: rgb(79, 198,  
5) }
```

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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