

Converting Colors

$Y_{xy}(41.1861, 0.3257, 0.5796)$

Have a look what the booklet for
Yxy(41.1861, 0.3257, 0.5796)
contains.

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Color

Yxy(41.2737, 0.3260, 0.5794)

Conversions

Conversions Part 1

Format	Color
Hex	52C400
RGB	82, 196, 0
RGB Percent	32%, 77%, 0%
CMY	0.6782, 0.2314, 1.0000
CMYK	0.58, 0.00, 1.00, 0.23
HSL	95°, 100%, 38%
HSV	95°, 100%, 77%
XYZ	23.2227, 41.2737, 6.7389
YIQ	139.5700, -5.0280, -85.1240

Conversions

Conversions Part 2

Format	Color
RYB	0, 196, 114
Decimal	5424128
CIELab	70.37, -59.69, 69.80
CIELCh	70, 91.842, 130.538
Yxy	41.2737, 0.3260, 0.5794
Android (android.graphics.Color)	4283614208 (0xFF52C400)
YUV	139.5700, -68.8080, -50.4889
Hunter-Lab	64.2446, -47.9051, 38.7521

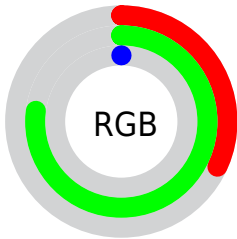
Details

The Yxy color **41.2737, 0.3260, 0.5794** 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 **7.5590, 0.2187, 0.0979**, and the grayscale version is **26.3299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3921, 0.3320, 0.5310**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.2757, 0.3260, 0.5794**, and if you desaturate by 10%, it is **41.8792, 0.3312, 0.5679**.

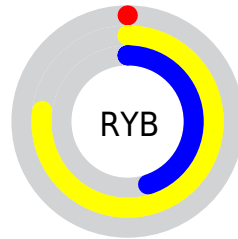
Distribution



Red (32%)

Green (77%)

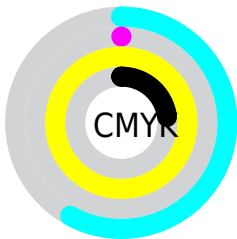
Blue (0%)



Red (0%)

Yellow (77%)

Blue (45%)

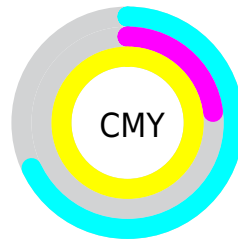


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (68%)


Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2737, 0.3260, 0.5794 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 41.2737, 0.3260, 0.5794 by changing the saturation by 10% instead.

 41.2737, 0.3260,
0.5794

 41.2737, 0.3260,
0.5794


351.4632, 0.3318,
0.4461

 28.5330, 0.3191,
0.6118


 77.0992, 0.3319,
0.5307


 18.7278, 0.3067,
0.6512


 100.9528, 0.3330,
0.5123


 11.4738, 0.2897,
0.7103


 129.2795, 0.3334,
0.4968

 6.3865, 0.2469,
0.7531

 162.4637, 0.3334,
0.4836

 3.0815, 0.1821,
0.8179

 200.8898, 0.3331,
0.4722

 1.1744, 0.0000,
1.0000

 244.9421, 0.3327,

 0.0407, 0.0000,

0.4624

1.0000

295.0051, 0.3323,
0.4537

■ 0.0000, 0.0000,
0.0000

■ 41.2737, 0.3260,
0.5794

■ 41.2737, 0.3260,
0.5794

■ 41.2757, 0.3260,
0.5794

■ 41.8792, 0.3312,
0.5679

■ 42.6210, 0.3351,
0.5511

■ 43.5224, 0.3372,
0.5286

■ 44.5960, 0.3373,
0.5017

■ 45.8525, 0.3356,
0.4720

■ 47.3020, 0.3324,
0.4412

■ 48.9533, 0.3283,
0.4106

■ 50.8150, 0.3234,
0.3814

■ 52.8949, 0.3181,
0.3540

Harmonies

Analogous

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



41.2737, 0.4369, 0.5280



41.2737, 0.3260, 0.5794



41.2737, 0.2174, 0.5062

Triad

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



41.2737, 0.3260, 0.5794



41.2737, 0.1216, 0.1655



41.2737, 0.5088, 0.2790

Complementary

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



41.2737, 0.3260, 0.5794



7.5590, 0.2187, 0.0979

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.



41.2737, 0.3797, 0.2133



41.2737, 0.3260, 0.5794



41.2737, 0.1644, 0.1516

Square

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



41.2737, 0.3260, 0.5794



41.2737, 0.1132, 0.2221



41.2737, 0.2502, 0.1685



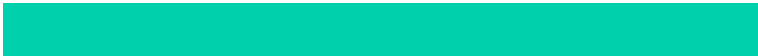
41.2737, 0.5632, 0.3539

Rectangle

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



41.2737, 0.3260, 0.5794



41.2737, 0.1616, 0.3977



41.2737, 0.2502, 0.1685



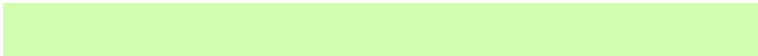
41.2737, 0.4708, 0.2556

Sweetspot

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



41.2757, 0.3260, 0.5794



88.5336, 0.3285, 0.4121



23.1189, 0.5218, 0.4239



18.6675, 0.3304, 0.4251



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.



41.2757, 0.3260, 0.5794



74.6308, 0.3249, 0.5802



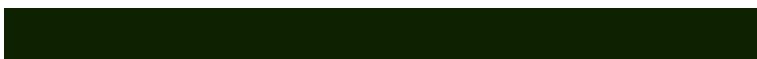
39.5086, 0.2989, 0.5960



11.4602, 0.3178, 0.3524



26.5700, 0.3270, 0.5786



1.1885, 0.3452, 0.5641

Inverse Universe

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



7.5590, 0.2187, 0.0979



13.5385, 0.2173, 0.0971



15.1517, 0.3385, 0.1638



10.0306, 0.3072, 0.3058



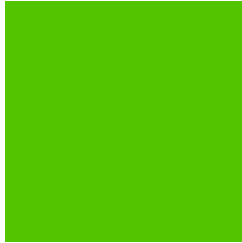
4.9086, 0.2200, 0.0986



0.2518, 0.2423, 0.1109

Previews

White Background



This preview shows how the Yxy color 41.2737, 0.3260, 0.5794 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 41.2737, 0.3260, 0.5794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

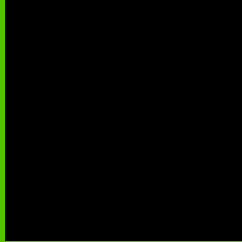
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2737, 0.3260, 0.5794

Background



This preview shows how black text looks on a background with the Yxy color 41.2737, 0.3260, 0.5794.



This preview shows how white text looks on a background with the Yxy color 41.2737, 0.3260, 0.5794.

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

41.2737, 0.3260, 0.5794

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

40.4478, 0.4619, 0.4518



Tritanopia

40.9978, 0.2517, 0.3069

Trichromacy



Original Color

41.2737, 0.3260, 0.5794



Protanomaly

39.4148, 0.3932, 0.5260



Deuteranomaly

38.5622, 0.4081, 0.5035



Tritanomaly

39.8461, 0.2915, 0.4309

Monochromacy



Original Color

41.2737, 0.3260, 0.5794



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.7848, 0.3340, 0.4526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2737, 0.3260, 0.5794 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(82, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 196, 0)  
}
```

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(82, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 196, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.2737, 0.3260, 0.5794 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(82, 196, 0) }
```

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

```
.border{ border-color:rgb(82, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(82, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(82, 196, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.2737, 0.3260, 0.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 196, 0) }
```

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

```
.background{ background-color: rgb(82, 196,  
0) }
```

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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