

Converting Colors

$Y_{xy}(46.7332, 0.3188, 0.5791)$

Have a look what the booklet for
Yxy(46.7332, 0.3188, 0.5791)
contains.

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Color

Yxy(46.7332, 0.3188, 0.5791)

Conversions

Conversions Part 1

Format	Color
Hex	4DD012
RGB	77, 208, 18
RGB Percent	30%, 82%, 7%
CMY	0.6980, 0.1843, 0.9291
CMYK	0.63, 0.00, 0.91, 0.18
HSL	101°, 84%, 44%
HSV	101°, 91%, 82%
XYZ	25.7271, 46.7332, 8.2394
YIQ	147.1710, -17.0860, -86.8620

Conversions

Conversions Part 2

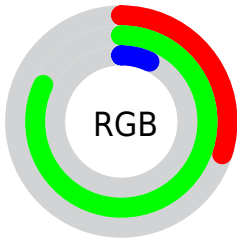
Format	Color
RYB	18, 208, 149
Decimal	5099538
CIELab	74.02, -64.58, 70.61
CIElCh	74, 95.687, 132.445
Yxy	46.7332, 0.3188, 0.5791
Android (android.graphics.Color)	4283289618 (0xFF4DD012)
YUV	147.1710, -63.6813, -61.5400
Hunter-Lab	68.3617, -52.4567, 40.7071

Details

The Yxy color **46.7332, 0.3188, 0.5791** 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 **11.3851, 0.2501, 0.1186**, and the grayscale version is **29.5328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8873, 0.3275, 0.5259**, and **22.4565, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.2212, 0.3145, 0.5885**, and if you desaturate by 10%, it is **47.5011, 0.3231, 0.5627**.

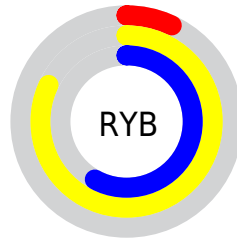
Distribution



Red (30%)

Green (82%)

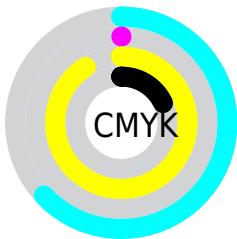
Blue (7%)



Red (7%)

Yellow (82%)

Blue (58%)

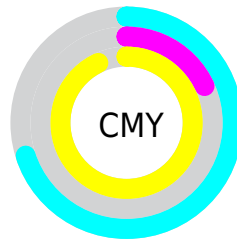


Cyan (63%)

Magenta (0%)

Yellow (91%)

Black (18%)



Cyan (70%)


Magenta (18%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7332, 0.3188, 0.5791 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 46.7332, 0.3188, 0.5791 by changing the saturation by 10% instead.


 46.7332, 0.3188,
0.5791

 46.7332, 0.3188,
0.5791


373.7486, 0.3278,
0.4476


 32.8248, 0.3117,
0.6109


 85.3152, 0.3255,
0.5313

 21.9923, 0.2998,
0.6496


 110.7577, 0.3270,
0.5132


 13.8512, 0.2812,
0.7002


 140.8135, 0.3278,
0.4979

 8.0173, 0.2462,
0.7538

 175.8673, 0.3282,
0.4849

 4.1060, 0.1888,
0.8112

 216.3032, 0.3283,
0.4736

 1.7330, 0.0000,
1.0000

 262.5058, 0.3282,

 0.4449, 0.0000,

0.4638

1.0000

314.8595, 0.3280,
0.4552

■ 0.0000, 0.0000,
0.0000

■ 46.7332, 0.3188,
0.5791

■ 46.7332, 0.3188,
0.5791

■ 46.2212, 0.3145,
0.5885

■ 47.5011, 0.3231,
0.5627

■ 48.4819, 0.3260,
0.5399

■ 49.6960, 0.3273,
0.5120

■ 51.1590, 0.3272,
0.4808

■ 52.8854, 0.3258,
0.4485

■ 54.8883, 0.3234,
0.4164

■ 57.1799, 0.3204,
0.3860

■ 59.7715, 0.3169,
0.3578

■ 62.6740, 0.3132,
0.3322

Harmonies

Analogous

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



46.7332, 0.4302, 0.5332



46.7332, 0.3188, 0.5791



46.7332, 0.2113, 0.4969

Triad

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



46.7332, 0.3188, 0.5791



46.7332, 0.1233, 0.1636



46.7332, 0.5150, 0.2836

Complementary

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



46.7332, 0.3188, 0.5791



11.3851, 0.2501, 0.1186

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.



46.7332, 0.3887, 0.2171



46.7332, 0.3188, 0.5791



46.7332, 0.1685, 0.1518

Square

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



46.7332, 0.3188, 0.5791



46.7332, 0.1128, 0.2168



46.7332, 0.2573, 0.1706



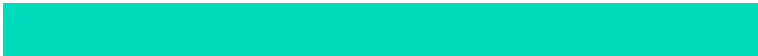
46.7332, 0.5633, 0.3589

Rectangle

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



46.7332, 0.3188, 0.5791



46.7332, 0.1574, 0.3870



46.7332, 0.2573, 0.1706



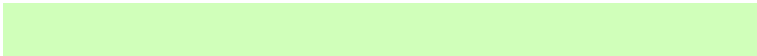
46.7332, 0.4786, 0.2600

Sweetspot

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



46.7352, 0.3188, 0.5791



88.4114, 0.3223, 0.4040



34.5901, 0.4790, 0.4516



18.6645, 0.3233, 0.4148



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.



46.7352, 0.3188, 0.5791



73.1879, 0.3138, 0.5890



45.4982, 0.2937, 0.5698



13.3817, 0.3162, 0.3527



28.8523, 0.3155, 0.5877



1.6551, 0.3298, 0.5763

Inverse Universe

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



11.3851, 0.2501, 0.1186



16.4347, 0.2423, 0.1109



16.8696, 0.3682, 0.1838



11.8174, 0.3089, 0.3057



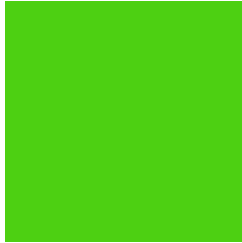
6.5563, 0.2443, 0.1119



0.4075, 0.2587, 0.1199

Previews

White Background



This preview shows how the Yxy color 46.7332, 0.3188, 0.5791 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 46.7332, 0.3188, 0.5791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

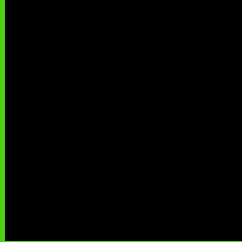
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7332, 0.3188, 0.5791

Background



This preview shows how black text looks on a background with the Yxy color 46.7332, 0.3188, 0.5791.



This preview shows how white text looks on a background with the Yxy color 46.7332, 0.3188, 0.5791.

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

46.7332, 0.3188, 0.5791

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

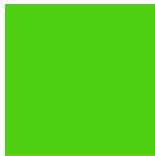
45.6619, 0.4608, 0.4501



Tritanopia

46.2541, 0.2477, 0.3065

Trichromacy



Original Color

46.7332, 0.3188, 0.5791



Protanomaly

44.5460, 0.3883, 0.5279



Deuteranomaly

43.1790, 0.4016, 0.5030



Tritanomaly

44.9909, 0.2819, 0.4202

Monochromacy



Original Color

46.7332, 0.3188, 0.5791



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.4336, 0.3261, 0.4448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7332, 0.3188, 0.5791 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(77, 208, 18)` looks like.

```
.text, #text, p{  
    color:rgb(77, 208, 18)  
}
```

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(77, 208, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 208, 18) }
```

Border

The CSS property to change the border of an element to Yxy 46.7332, 0.3188, 0.5791 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(77, 208, 18) }
```

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

```
.border{ border-color:rgb(77, 208, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 208, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 208, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 208, 18);  
box-shadow:4px 4px 4px 4px rgb(77, 208,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7332, 0.3188, 0.5791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 208, 18) }
```

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

```
.background{ background-color: rgb(77, 208,  
18) }
```

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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