

Converting Colors

$Y_{xy}(60.9572, 0.3103, 0.5614)$

Have a look what the booklet for
Yxy(60.9572, 0.3103, 0.5614)
contains.

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Color

Yxy(60.9450, 0.3100, 0.5612)

Conversions

Conversions Part 1

Format	Color
Hex	52EA3A
RGB	82, 234, 58
RGB Percent	32%, 92%, 23%
CMY	0.6784, 0.0823, 0.7727
CMYK	0.65, 0.00, 0.75, 0.08
HSL	112°, 81%, 57%
HSV	112°, 75%, 92%
XYZ	33.6653, 60.9450, 13.9874
YIQ	168.4880, -34.0960, -86.9600

Conversions

Conversions Part 2

Format	Color
RYB	58, 234, 210
Decimal	5433914
CIELab	82.35, -70.15, 68.65
CIELCh	82, 98.155, 135.619
Yxy	60.9450, 0.3100, 0.5612
Android (android.graphics.Color)	4283623994 (0xFF52EA3A)
YUV	168.4880, -54.4706, -75.8500
Hunter-Lab	78.0673, -59.6425, 44.0241

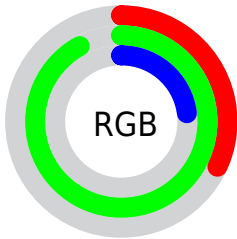
Details

The Yxy color **60.9450, 0.3100, 0.5612** is a dark color, and the websafe version is hex **33CC00**.

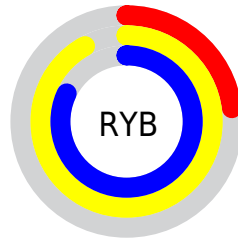
The color can be described as dark washed green. A complement of this color would be **22.6626, 0.2950, 0.1557**, and the grayscale version is **39.6958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1003, 0.3205, 0.4954**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.9848, 0.3073, 0.5816**, and if you desaturate by 10%, it is **62.2850, 0.3122, 0.5339**.

Distribution



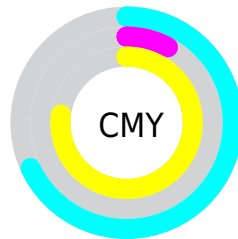
- Red (32%)
- Green (92%)
- Blue (23%)



- Red (23%)
- Yellow (92%)
- Blue (82%)



- Cyan (65%)
- Magenta (0%)
- Yellow (75%)
- Black (8%)




- Cyan (68%)
- Magenta (8%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9450, 0.3100, 0.5612 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 60.9450, 0.3100, 0.5612 by changing the saturation by 10% instead.


 60.9450, 0.3100,
0.5612

 60.9450, 0.3100,
0.5612


428.0723, 0.3209,
0.4427

 44.1808, 0.3042,
0.5895


 106.1993, 0.3163,
0.5187


 30.8127, 0.2950,
0.6241


 135.4582, 0.3180,
0.5025

 20.4562, 0.2803,
0.6669


 169.6507, 0.3191,
0.4887

 12.7271, 0.2582,
0.7245

 209.1613, 0.3198,
0.4769

 7.2409, 0.2172,
0.7828

 254.3744, 0.3203,
0.4666

 3.6132, 0.1503,
0.8497

305.6743, 0.3206,

 1.4596, 0.0000,

0.4576

1.0000

363.4455, 0.3208,
0.4497

■ 0.2601, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9450, 0.3100,
0.5612

■ 60.9450, 0.3100,
0.5612

■ 59.9848, 0.3073,
0.5816

■ 62.2850, 0.3122,
0.5339


■ 59.3567, 0.3044,
0.5938

■ 64.0315, 0.3138,
0.5017


■ 59.1548, 0.3032,
0.5975

■ 66.2172, 0.3147,
0.4672

■ 68.8696, 0.3149,
0.4327

 72.0138, 0.3147,
0.3997

 75.6730, 0.3141,
0.3693

 79.8691, 0.3132,
0.3420

 84.6226, 0.3122,
0.3179

 87.3287, 0.3137,
0.3088

Harmonies

Analogous

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



60.9450, 0.4173, 0.5325



60.9450, 0.3100, 0.5612



60.9450, 0.2086, 0.4701

Triad

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



60.9450, 0.3100, 0.5612



60.9450, 0.1341, 0.1685



60.9450, 0.5123, 0.2947

Complementary

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



60.9450, 0.3100, 0.5612



22.6626, 0.2950, 0.1557

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.



60.9450, 0.3988, 0.2287



60.9450, 0.3100, 0.5612



60.9450, 0.1822, 0.1599

Square

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



60.9450, 0.3100, 0.5612



60.9450, 0.1207, 0.2157



60.9450, 0.2724, 0.1810



60.9450, 0.5501, 0.3689

Rectangle

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



60.9450, 0.3100, 0.5612



60.9450, 0.1594, 0.3679



60.9450, 0.2724, 0.1810



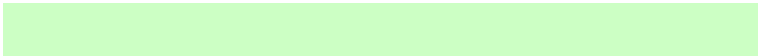
60.9450, 0.4805, 0.2714

Sweetspot

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



60.9476, 0.3100, 0.5612



88.4090, 0.3146, 0.3930



62.7155, 0.4299, 0.4717



18.6009, 0.3147, 0.4045



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.



60.9476, 0.3100, 0.5612



72.4570, 0.3058, 0.5890



61.0933, 0.2802, 0.4957



16.9607, 0.3136, 0.3532



33.2711, 0.3038, 0.5970



2.6438, 0.3109, 0.5914

Inverse Universe

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



22.6626, 0.2950, 0.1557



23.7326, 0.2896, 0.1401



23.5102, 0.3977, 0.2178



15.2035, 0.3116, 0.3056



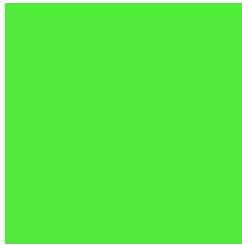
10.4401, 0.2867, 0.1353



0.8486, 0.2917, 0.1381

Previews

White Background



This preview shows how the Yxy color 60.9450, 0.3100, 0.5612 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 60.9450, 0.3100, 0.5612 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

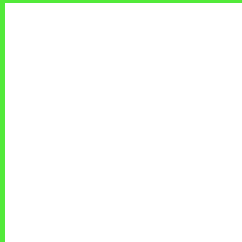
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.9450, 0.3100, 0.5612

Background



This preview shows how black text looks on a background with the Yxy color 60.9450, 0.3100, 0.5612.

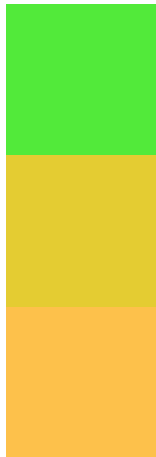


This preview shows how white text looks on a background with the Yxy color 60.9450, 0.3100, 0.5612.

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

60.9450, 0.3100, 0.5612

Protanopia

59.9100, 0.4306, 0.4762

Deuteranopia

59.5306, 0.4497, 0.4399



Tritanopia

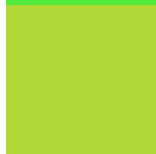
60.4099, 0.2453, 0.3062

Trichromacy



Original Color

60.9450, 0.3100, 0.5612



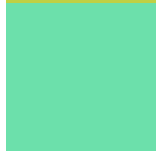
Protanomaly

57.9719, 0.3775, 0.5135



Deuteranomaly

56.6178, 0.3892, 0.4884



Tritanomaly

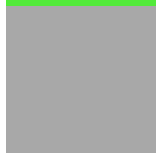
59.4397, 0.2725, 0.4029

Monochromacy



Original Color

60.9450, 0.3100, 0.5612



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.5762, 0.3151, 0.4248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9450, 0.3100, 0.5612 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, 234, 58)` looks like.

```
.text, #text, p{  
    color:rgb(82, 234, 58)  
}
```

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, 234, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 234, 58) }
```

Border

The CSS property to change the border of an element to Yxy 60.9450, 0.3100, 0.5612 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, 234, 58) }
```

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

```
.border{ border-color:rgb(82, 234, 58) }
```

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

Here you see how a box with a 4 pixel rgb(82, 234, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 234, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 234, 58);  
box-shadow:4px 4px 4px 4px rgb(82, 234,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9450, 0.3100, 0.5612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 234, 58) }
```

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

```
.background{ background-color: rgb(82, 234,  
58) }
```

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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