

Converting Colors

$Yxy(60.6886, 0.3040, 0.5632)$

Have a look what the booklet for
Yxy(60.6886, 0.3040, 0.5632)
contains.

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Color

Yxy(60.9718, 0.3042, 0.5636)

Conversions

Conversions Part 1

Format	Color
Hex	44EB3C
RGB	68, 235, 60
RGB Percent	27%, 92%, 24%
CMY	0.7331, 0.0784, 0.7649
CMYK	0.71, 0.00, 0.74, 0.08
HSL	117°, 81%, 58%
HSV	117°, 74%, 92%
XYZ	32.9092, 60.9718, 14.3018
YIQ	165.1170, -43.3570, -89.8290

Conversions

Conversions Part 2

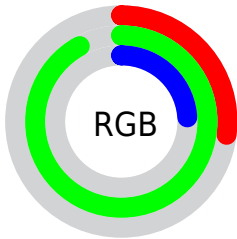
Format	Color
RYB	60, 235, 227
Decimal	4516668
CIELab	82.36, -72.88, 67.93
CIELCh	82, 99.629, 137.015
Yxy	60.9718, 0.3042, 0.5636
Android (android.graphics.Color)	4282706748 (0xFF44EB3C)
YUV	165.1170, -51.8227, -85.1716
Hunter-Lab	78.0844, -61.4178, 43.7997

Details

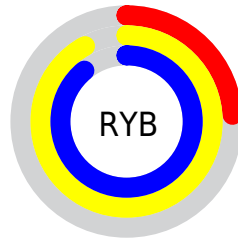
The Yxy color **60.9718, 0.3042, 0.5636** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **25.5408, 0.3118, 0.1650**, and the grayscale version is **37.9604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3170, 0.3151, 0.4968**, and **31.8408, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.1205, 0.3026, 0.5841**, and if you desaturate by 10%, it is **62.2464, 0.3059, 0.5356**.

Distribution



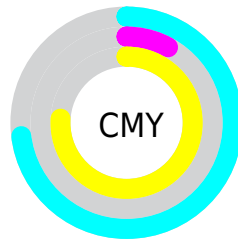
- Red (27%)
- Green (92%)
- Blue (24%)



- Red (24%)
- Yellow (92%)
- Blue (89%)



- Cyan (71%)
- Magenta (0%)
- Yellow (74%)
- Black (8%)





- Cyan (73%)
- Magenta (8%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9718, 0.3042, 0.5636 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 60.9718, 0.3042, 0.5636 by changing the saturation by 10% instead.


 60.9718, 0.3042,
0.5636

 60.9718, 0.3042,
0.5636


428.1706, 0.3178,
0.4434

 44.2024, 0.2978,
0.5925

 106.2381, 0.3114,
0.5203


 30.8297, 0.2879,
0.6280


 135.5038, 0.3135,
0.5039


 20.4692, 0.2723,
0.6720


 169.7037, 0.3149,
0.4899

 12.7366, 0.2489,
0.7306

 209.2223, 0.3160,
0.4779

 7.2474, 0.2073,
0.7927

 254.4439, 0.3167,
0.4675

 3.6173, 0.1369,
0.8631

305.7528, 0.3172,

 1.4619, 0.0000,

0.4584

1.0000

363.5336, 0.3176,
0.4505

■ 0.2617, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9718, 0.3042,
0.5636

■ 60.9718, 0.3042,
0.5636

■ 60.1205, 0.3026,
0.5841

■ 62.2464, 0.3059,
0.5356


■ 59.6316, 0.3012,
0.5959


■ 63.9809, 0.3075,
0.5025


■ 59.4881, 0.3007,
0.5994


■ 66.2167, 0.3090,
0.4671

■ 68.9884, 0.3102,
0.4317

 72.3276, 0.3112,
0.3981

 76.2633, 0.3120,
0.3674

 80.8227, 0.3125,
0.3401

 86.0313, 0.3129,
0.3162

 87.8979, 0.3136,
0.3097

Harmonies

Analogous

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



60.9718, 0.4128, 0.5379



60.9718, 0.3042, 0.5636



60.9718, 0.2028, 0.4656

Triad

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



60.9718, 0.3042, 0.5636



60.9718, 0.1337, 0.1655



60.9718, 0.5190, 0.2972

Complementary

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



60.9718, 0.3042, 0.5636



25.5408, 0.3118, 0.1650

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.



60.9718, 0.4062, 0.2302



60.9718, 0.3042, 0.5636



60.9718, 0.1840, 0.1585

Square

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



60.9718, 0.3042, 0.5636



60.9718, 0.1186, 0.2107



60.9718, 0.2771, 0.1811



60.9718, 0.5526, 0.3723

Rectangle

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



60.9718, 0.3042, 0.5636



60.9718, 0.1548, 0.3612



60.9718, 0.2771, 0.1811



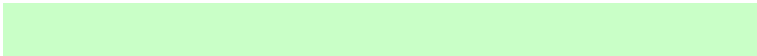
60.9718, 0.4879, 0.2737

Sweetspot

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



60.9743, 0.3042, 0.5636



88.1250, 0.3114, 0.3905



72.5169, 0.4161, 0.4840



18.6031, 0.3112, 0.3992



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.



60.9743, 0.3042, 0.5636



72.0266, 0.3018, 0.5910



62.2331, 0.2725, 0.4684



16.8954, 0.3123, 0.3533



33.1221, 0.3010, 0.5992



2.6126, 0.3038, 0.5970

Inverse Universe

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



25.5408, 0.3118, 0.1650



27.3762, 0.3104, 0.1519



23.2974, 0.4230, 0.2352



15.2762, 0.3131, 0.3057



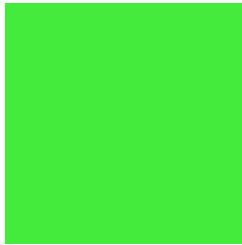
12.1857, 0.3094, 0.1478



0.9678, 0.3111, 0.1487

Previews

White Background



This preview shows how the Yxy color 60.9718, 0.3042, 0.5636 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 60.9718, 0.3042, 0.5636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

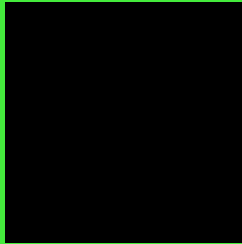
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9718, 0.3042, 0.5636

Background



This preview shows how black text looks on a background with the Yxy color 60.9718, 0.3042, 0.5636.

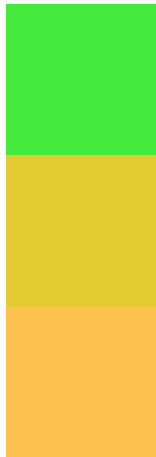


This preview shows how white text looks on a background with the Yxy color 60.9718, 0.3042, 0.5636.

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

60.9718, 0.3042, 0.5636

Protanopia

59.4538, 0.4307, 0.4745

Deuteranopia

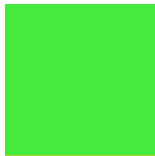
59.5584, 0.4486, 0.4386



Tritanopia

60.4223, 0.2416, 0.3061

Trichromacy



Original Color

60.9718, 0.3042, 0.5636



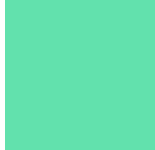
Protanomaly

57.4228, 0.3728, 0.5150



Deuteranomaly

56.0058, 0.3841, 0.4895



Tritanomaly

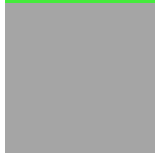
59.4642, 0.2671, 0.4021

Monochromacy



Original Color

60.9718, 0.3042, 0.5636



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

43.1050, 0.3105, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9718, 0.3042, 0.5636 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(68, 235, 60)` looks like.

```
.text, #text, p{  
    color:rgb(68, 235, 60)  
}
```

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(68, 235, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 235, 60) }
```

Border

The CSS property to change the border of an element to Yxy 60.9718, 0.3042, 0.5636 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(68, 235, 60) }
```

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

```
.border{ border-color:rgb(68, 235, 60) }
```

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

Here you see how a box with a 4 pixel rgb(68, 235, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 235, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 235, 60);  
box-shadow:4px 4px 4px 4px rgb(68, 235,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9718, 0.3042, 0.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 235, 60) }
```

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

```
.background{ background-color: rgb(68, 235,  
60) }
```

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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