

Converting Colors

Yxy(60.5826, 0.3254, 0.5734)

Have a look what the booklet for
Yxy(60.5826, 0.3254, 0.5734)
contains.

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Color

Yxy(60.5418, 0.3255, 0.5733)

Conversions

Conversions Part 1

Format	Color
Hex	65E817
RGB	101, 232, 23
RGB Percent	40%, 91%, 9%
CMY	0.6042, 0.0902, 0.9096
CMYK	0.56, 0.00, 0.90, 0.09
HSL	98°, 82%, 50%
HSV	98°, 90%, 91%
XYZ	34.3735, 60.5418, 10.6870
YIQ	169.0050, -10.9870, -92.7710

Conversions

Conversions Part 2

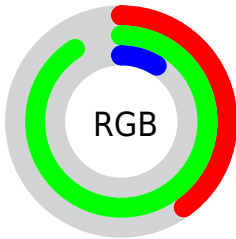
Format	Color
R _{YB}	23, 232, 154
Decimal	6678551
CIE Lab	82.13, -66.75, 76.94
CIE LCh	82, 101.857, 130.945
Yxy	60.5418, 0.3255, 0.5733
Android (android.graphics.Color)	4284868631 (0xFF65E817)
YUV	169.0050, -71.9805, -59.6404
Hunter-Lab	77.8086, -57.3090, 46.3226

Details

The Yxy color **60.5418, 0.3255, 0.5733** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **13.3248, 0.2372, 0.1120**, and the grayscale version is **40.0433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2387, 0.3387, 0.5114**, and **30.7116, 0.3010, 0.5992** is the 20% darker color. If you saturate the color by 10%, you get **59.7201, 0.3202, 0.5840**, and if you desaturate by 10%, it is **61.5968, 0.3298, 0.5566**.

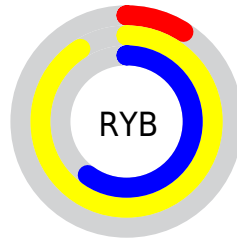
Distribution



Red (40%)

Green (91%)

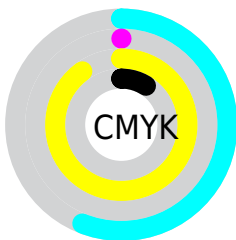
Blue (9%)



Red (9%)

Yellow (91%)

Blue (60%)

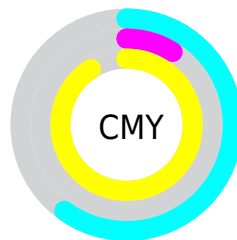


Cyan (56%)

Magenta (0%)

Yellow (90%)

Black (9%)



Cyan (60%)


Magenta (9%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5418, 0.3255, 0.5733 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 60.5418, 0.3255, 0.5733 by changing the saturation by 10% instead.


 60.5418, 0.3255,
0.5733


 60.5418, 0.3255,
0.5733


426.5920, 0.3312,
0.4509

 43.8555, 0.3200,
0.6012

 105.6152, 0.3306,
0.5303

 30.5569, 0.3109,
0.6346

 134.7711, 0.3317,
0.5135

 20.2617, 0.2957,
0.6742


 168.8523, 0.3321,
0.4992

 12.5854, 0.2729,
0.7271

 208.2433, 0.3323,
0.4869

 7.1437, 0.2287,
0.7713

 253.3283, 0.3322,
0.4761

 3.5521, 0.1645,
0.8355

 304.4918, 0.3319,

 1.4263, 0.0000,

0.4667

1.0000

362.1182, 0.3316,
0.4583

■ 0.2360, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.5418, 0.3255,
0.5733

■ 60.5418, 0.3255,
0.5733


■ 59.7201, 0.3202,
0.5840

■ 61.5968, 0.3298,
0.5566


■ 62.9040, 0.3323,
0.5338


■ 64.4869, 0.3330,
0.5062


■ 66.3636, 0.3320,
0.4756

 68.5502, 0.3296,
0.4438

 71.0618, 0.3262,
0.4124

 73.9121, 0.3220,
0.3824

 77.1143, 0.3175,
0.3545

 80.6806, 0.3127,
0.3291

Harmonies

Analogous

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



60.5418, 0.4346, 0.5262



60.5418, 0.3255, 0.5733



60.5418, 0.2187, 0.4993

Triad

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



60.5418, 0.3255, 0.5733



60.5418, 0.1250, 0.1681



60.5418, 0.5056, 0.2814

Complementary

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



60.5418, 0.3255, 0.5733



13.3248, 0.2372, 0.1120

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.



60.5418, 0.3803, 0.2163



60.5418, 0.3255, 0.5733



60.5418, 0.1679, 0.1545

Square

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



60.5418, 0.3255, 0.5733



60.5418, 0.1163, 0.2236



60.5418, 0.2532, 0.1716



60.5418, 0.5583, 0.3558

Rectangle

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



60.5418, 0.3255, 0.5733



60.5418, 0.1639, 0.3941



60.5418, 0.2532, 0.1716



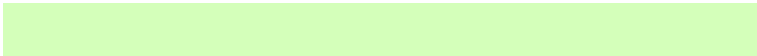
60.5418, 0.4689, 0.2582

Sweetspot

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



60.5444, 0.3255, 0.5733



89.0407, 0.3250, 0.4034



39.6478, 0.4939, 0.4385



18.8108, 0.3264, 0.4139



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.



60.5444, 0.3255, 0.5733



73.9553, 0.3198, 0.5843



58.1107, 0.2967, 0.5798



16.3495, 0.3172, 0.3529



33.2169, 0.3213, 0.5831



2.5062, 0.3327, 0.5740

Inverse Universe

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



13.3248, 0.2372, 0.1120



14.6890, 0.2276, 0.1028



22.3087, 0.3493, 0.1735



14.3328, 0.3079, 0.3054



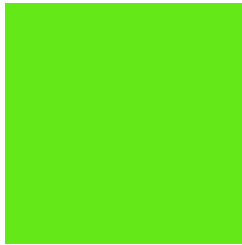
6.6772, 0.2295, 0.1038



0.5460, 0.2428, 0.1111

Previews

White Background



This preview shows how the Yxy color 60.5418, 0.3255, 0.5733 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 60.5418, 0.3255, 0.5733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

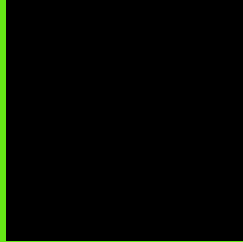
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

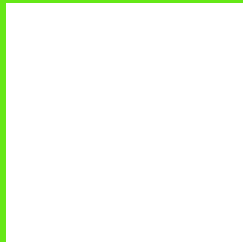
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.5418, 0.3255, 0.5733

Background



This preview shows how black text looks on a background with the Yxy color 60.5418, 0.3255, 0.5733.

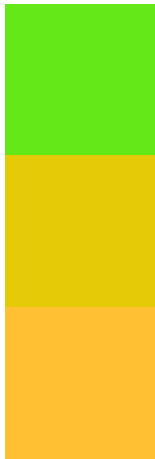


This preview shows how white text looks on a background with the Yxy color 60.5418, 0.3255, 0.5733.

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

60.5418, 0.3255, 0.5733

Protanopia

59.3852, 0.4405, 0.4871

Deuteranopia

59.2072, 0.4620, 0.4506



Tritanopia

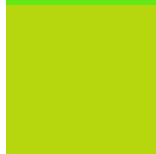
60.2292, 0.2524, 0.3077

Trichromacy



Original Color

60.5418, 0.3255, 0.5733



Protanomaly

58.0673, 0.3919, 0.5242



Deuteranomaly

56.9279, 0.4064, 0.5001



Tritanomaly

58.8878, 0.2876, 0.4194

Monochromacy



Original Color

60.5418, 0.3255, 0.5733



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.8895, 0.3291, 0.4409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5418, 0.3255, 0.5733 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(101, 232, 23)` looks like.

```
.text, #text, p{  
    color:rgb(101, 232, 23)  
}
```

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(101, 232, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 232, 23) }
```

Border

The CSS property to change the border of an element to Yxy 60.5418, 0.3255, 0.5733 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(101, 232, 23) }
```

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

```
.border{ border-color:rgb(101, 232, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 232, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 232, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 232, 23);  
box-shadow:4px 4px 4px 4px rgb(101, 232,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5418, 0.3255, 0.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 232, 23) }
```

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

```
.background{ background-color: rgb(101,  
232, 23) }
```

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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