

Converting Colors

Yxy(61.4192, 0.3309, 0.5634)

Have a look what the booklet for
Yxy(61.4192, 0.3309, 0.5634)
contains.

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Color

Yxy(61.4120, 0.3310, 0.5631)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 72E823 |
| RGB | 114, 232, 35 |
| RGB Percent | 45%, 91%, 14% |
| CMY | 0.5530, 0.0902, 0.8623 |
| CMYK | 0.51, 0.00, 0.85, 0.09 |
| HSL | 96°, 81%, 52% |
| HSV | 96°, 85%, 91% |
| XYZ | 36.0990, 61.4120, 11.5495 |
| YIQ | 174.2600, -7.0910, -86.2830 |

Conversions

Conversions Part 2

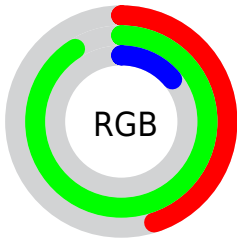
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 35, 232, 153 |
| Decimal | 7530531 |
| CIELab | 82.60, -62.90, 75.33 |
| CIELCh | 83, 98.137, 129.865 |
| Yxy | 61.4120, 0.3310, 0.5631 |
| Android (android.graphics.Color) | 4285720611 (0xFF72E823) |
| YUV | 174.2600, -68.6552, -52.8480 |
| Hunter-Lab | 78.3658, -54.9145, 46.1179 |

Details

The Yxy color **61.4120, 0.3310, 0.5631** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **13.8216, 0.2368, 0.1155**, and the grayscale version is **42.8370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5735, 0.3434, 0.5021**, and **31.1735, 0.3101, 0.5920** is the 20% darker color. If you saturate the color by 10%, you get **60.4563, 0.3260, 0.5766**, and if you desaturate by 10%, it is **62.6058, 0.3343, 0.5434**.

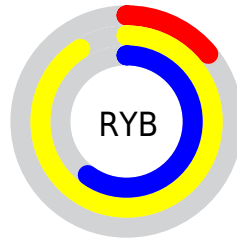
Distribution



Red (45%)

Green (91%)

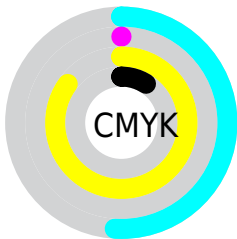
Blue (14%)



Red (14%)

Yellow (91%)

Blue (60%)

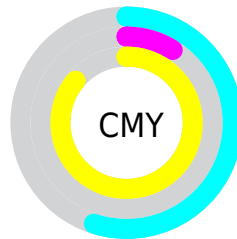


Cyan (51%)

Magenta (0%)

Yellow (85%)

Black (9%)



Cyan (55%)


Magenta (9%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4120, 0.3310, 0.5631 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 61.4120, 0.3310, 0.5631 by changing the saturation by 10% instead.


 61.4120, 0.3310,
0.5631


 61.4120, 0.3310,
0.5631

429.7830, 0.3332,
0.4464


 44.5578, 0.3267,
0.5897


 106.8753, 0.3347,
0.5221


 31.1092, 0.3191,
0.6216


 136.2530, 0.3352,
0.5062


 20.6820, 0.3059,
0.6597

 170.5741, 0.3353,
0.4925

 12.8918, 0.2870,
0.7130

 210.2229, 0.3351,
0.4807

 7.3541, 0.2456,
0.7544

 255.5838, 0.3347,
0.4704

 3.6845, 0.1861,
0.8139

 307.0412, 0.3343,

 1.4987, 0.0000,

0.4614

1.0000

364.9795, 0.3337,
0.4535

■ 0.2878, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.4120, 0.3310,
0.5631

■ 61.4120, 0.3310,
0.5631

■ 60.4563, 0.3260,
0.5766

■ 62.6058, 0.3343,
0.5434


■ 60.0399, 0.3232,
0.5816


■ 64.0511, 0.3356,
0.5182

■ 65.7690, 0.3351,
0.4893


■ 67.7757, 0.3329,
0.4583

 70.0858, 0.3295,
0.4268

 72.7130, 0.3252,
0.3963

 75.6699, 0.3203,
0.3675

 78.9685, 0.3152,
0.3410

 82.6201, 0.3101,
0.3170

Harmonies

Analogous

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



61.4120, 0.4364, 0.5183



61.4120, 0.3310, 0.5631



61.4120, 0.2264, 0.4958

Triad

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



61.4120, 0.3310, 0.5631



61.4120, 0.1293, 0.1744



61.4120, 0.4946, 0.2813

Complementary

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



61.4120, 0.3310, 0.5631



13.8216, 0.2368, 0.1155

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.



61.4120, 0.3732, 0.2180



61.4120, 0.3310, 0.5631



61.4120, 0.1703, 0.1595

Square

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



61.4120, 0.3310, 0.5631



61.4120, 0.1223, 0.2310



61.4120, 0.2518, 0.1751



61.4120, 0.5493, 0.3542

Rectangle

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



61.4120, 0.3310, 0.5631



61.4120, 0.1718, 0.3973



61.4120, 0.2518, 0.1751



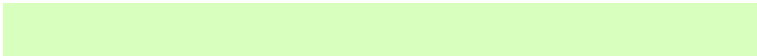
61.4120, 0.4585, 0.2587

Sweetspot

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



61.4146, 0.3310, 0.5631



90.0115, 0.3253, 0.3971



39.0817, 0.4923, 0.4325



19.0111, 0.3269, 0.4077



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.



61.4146, 0.3310, 0.5631



74.3531, 0.3228, 0.5819



58.3194, 0.2976, 0.5755



16.3694, 0.3176, 0.3529



33.3987, 0.3243, 0.5807



2.5209, 0.3358, 0.5716

Inverse Universe

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



13.8216, 0.2368, 0.1155



13.9785, 0.2213, 0.0993



23.3029, 0.3392, 0.1710



14.3122, 0.3074, 0.3054



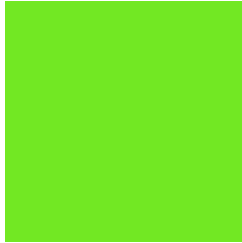
6.3603, 0.2233, 0.1004



0.5237, 0.2373, 0.1081

Previews

White Background



This preview shows how the Yxy color 61.4120, 0.3310, 0.5631 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 61.4120, 0.3310, 0.5631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

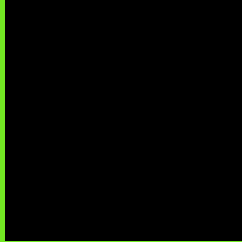
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.4120, 0.3310, 0.5631

Background



This preview shows how black text looks on a background with the Yxy color 61.4120, 0.3310, 0.5631.



This preview shows how white text looks on a background with the Yxy color 61.4120, 0.3310, 0.5631.

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

61.4120, 0.3310, 0.5631

Protanopia

60.5648, 0.4370, 0.4842

Deuteranopia

60.2369, 0.4547, 0.4452



Tritanopia

61.0147, 0.2571, 0.3079

Trichromacy



Original Color

61.4120, 0.3310, 0.5631



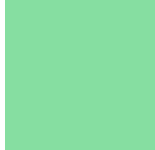
Protanomaly

59.3860, 0.3938, 0.5166



Deuteranomaly

58.2250, 0.4057, 0.4906



Tritanomaly

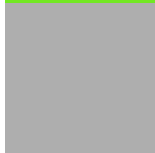
59.8841, 0.2917, 0.4121

Monochromacy



Original Color

61.4120, 0.3310, 0.5631



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.1357, 0.3303, 0.4320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4120, 0.3310, 0.5631 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(114, 232, 35)` looks like.

```
.text, #text, p{  
    color:rgb(114, 232, 35)  
}
```

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(114, 232, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 232, 35) }
```

Border

The CSS property to change the border of an element to Yxy 61.4120, 0.3310, 0.5631 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(114, 232, 35) }
```

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

```
.border{ border-color:rgb(114, 232, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 232, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 232, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 232, 35);  
box-shadow:4px 4px 4px 4px rgb(114, 232,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4120, 0.3310, 0.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 232, 35) }
```

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

```
.background{ background-color: rgb(114,  
232, 35) }
```

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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