

Converting Colors

$Yxy(61.6474, 0.3467, 0.5495)$

Have a look what the booklet for
Yxy(61.6474, 0.3467, 0.5495)
contains.

Yxy(61.5818, 0.3466, 0.5493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.5818, 0.3466, 0.5493)

Conversions

Conversions Part 1

Format	Color
Hex	8AE526
RGB	138, 229, 38
RGB Percent	54%, 90%, 15%
CMY	0.4586, 0.1020, 0.8510
CMYK	0.40, 0.00, 0.83, 0.10
HSL	89°, 79%, 52%
HSV	89°, 83%, 90%
XYZ	38.8572, 61.5818, 11.6706
YIQ	180.0170, 7.0750, -78.6930

Conversions

Conversions Part 2

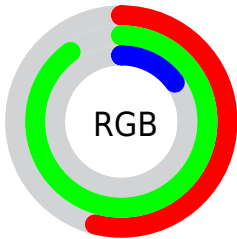
Format	Color
R_{YB}	38, 229, 129
Decimal	9102630
CIE _{Lab}	82.69, -54.30, 75.15
CIE _{LCh}	83, 92.716, 125.849
Yxy	61.5818, 0.3466, 0.5493
Android (android.graphics.Color)	4287292710 (0xFF8AE526)
YUV	180.0170, -70.0144, -36.8489
Hunter-Lab	78.4741, -48.9436, 46.1143

Details

The Yxy color **61.5818, 0.3466, 0.5493** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **11.7043, 0.2157, 0.1057**, and the grayscale version is **46.0395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5050, 0.3577, 0.4916**, and **31.4649, 0.3298, 0.5763** is the 20% darker color. If you saturate the color by 10%, you get **60.5951, 0.3425, 0.5627**, and if you desaturate by 10%, it is **62.7580, 0.3485, 0.5303**.

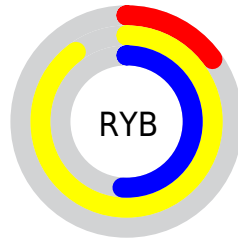
Distribution



Red (54%)

Green (90%)

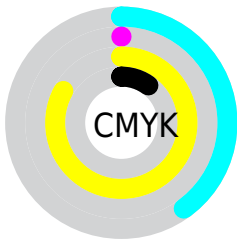
Blue (15%)



Red (15%)

Yellow (90%)

Blue (51%)

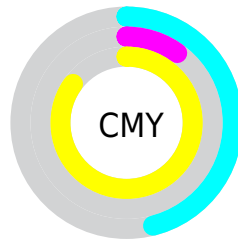


Cyan (40%)

Magenta (0%)

Yellow (83%)

Black (10%)



Cyan (46%)


Magenta (10%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5818, 0.3466, 0.5493 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 61.5818, 0.3466, 0.5493 by changing the saturation by 10% instead.


 61.5818, 0.3466,
0.5493

 61.5818, 0.3466,
0.5493

430.4040, 0.3407,
0.4410


 44.6949, 0.3443,
0.5736


 107.1209, 0.3473,
0.5116

 31.2172, 0.3393,
0.6025


 136.5418, 0.3467,
0.4969

 20.7643, 0.3295,
0.6367


 170.9096, 0.3458,
0.4842

 12.9518, 0.3153,
0.6847

 210.6085, 0.3449,
0.4732

 7.3954, 0.2791,
0.7209

 256.0230, 0.3438,
0.4636

 3.7106, 0.2257,
0.7743

 307.5375, 0.3427,

 1.5130, 0.0064,

0.4551

0.9936

365.5364, 0.3417,
0.4477

■ 0.2979, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.5818, 0.3466,
0.5493

■ 61.5818, 0.3466,
0.5493

■ 60.5951, 0.3425,
0.5627


■ 62.7580, 0.3485,
0.5303


■ 60.0273, 0.3390,
0.5690


■ 64.1327, 0.3481,
0.5065


■ 65.7231, 0.3456,
0.4793

■ 67.5419, 0.3414,
0.4500

 69.6006, 0.3357,
0.4202

 71.9100, 0.3293,
0.3910

 74.4798, 0.3223,
0.3632

 77.3194, 0.3151,
0.3373

 80.4374, 0.3081,
0.3136

Harmonies

Analogous

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



61.5818, 0.4458, 0.5017



61.5818, 0.3466, 0.5493



61.5818, 0.2444, 0.5001

Triad

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



61.5818, 0.3466, 0.5493



61.5818, 0.1337, 0.1861



61.5818, 0.4718, 0.2755

Complementary

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



61.5818, 0.3466, 0.5493



11.7043, 0.2157, 0.1057

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.



61.5818, 0.3538, 0.2160



61.5818, 0.3466, 0.5493



61.5818, 0.1690, 0.1664

Square

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



61.5818, 0.3466, 0.5493



61.5818, 0.1316, 0.2482



61.5818, 0.2423, 0.1778



61.5818, 0.5354, 0.3458

Rectangle

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



61.5818, 0.3466, 0.5493



61.5818, 0.1882, 0.4131



61.5818, 0.2423, 0.1778



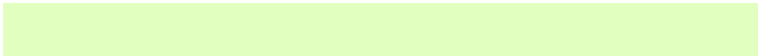
61.5818, 0.4355, 0.2540

Sweetspot

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



61.5845, 0.3466, 0.5493



91.2436, 0.3304, 0.3960



32.0088, 0.5152, 0.4095



19.3033, 0.3328, 0.4063



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.



61.5845, 0.3466, 0.5493



76.5549, 0.3386, 0.5694



56.7198, 0.3022, 0.5825



16.4588, 0.3195, 0.3527



34.3942, 0.3401, 0.5682



2.5968, 0.3509, 0.5596

Inverse Universe

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



11.7043, 0.2157, 0.1057



11.3145, 0.1958, 0.0852



22.6718, 0.3137, 0.1575



14.2220, 0.3055, 0.3052



5.1651, 0.1980, 0.0864



0.4367, 0.2141, 0.0953

Previews

White Background



This preview shows how the Yxy color 61.5818, 0.3466, 0.5493 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 61.5818, 0.3466, 0.5493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

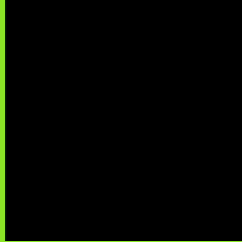
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.5818, 0.3466, 0.5493

Background



This preview shows how black text looks on a background with the Yxy color 61.5818, 0.3466, 0.5493.



This preview shows how white text looks on a background with the Yxy color 61.5818, 0.3466, 0.5493.

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

61.5818, 0.3466, 0.5493

Protanopia

60.7505, 0.4371, 0.4825

Deuteranopia

60.7451, 0.4516, 0.4432



Tritanopia

61.0882, 0.2684, 0.3083

Trichromacy



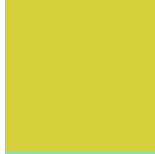
Original Color

61.5818, 0.3466, 0.5493



Protanomaly

60.0789, 0.4012, 0.5089



Deuteranomaly

58.9385, 0.4117, 0.4829



Tritanomaly

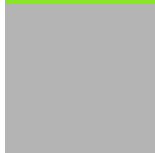
60.0711, 0.3050, 0.4071

Monochromacy



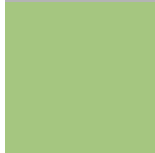
Original Color

61.5818, 0.3466, 0.5493



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.9460, 0.3370, 0.4250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5818, 0.3466, 0.5493 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(138, 229, 38)` looks like.

```
.text, #text, p{  
    color:rgb(138, 229, 38)  
}
```

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(138, 229, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 229, 38) }
```

Border

The CSS property to change the border of an element to Yxy 61.5818, 0.3466, 0.5493 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(138, 229, 38) }
```

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

```
.border{ border-color:rgb(138, 229, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 229, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 229, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 229, 38);  
box-shadow:4px 4px 4px 4px rgb(138, 229,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5818, 0.3466, 0.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 229, 38) }
```

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

```
.background{ background-color: rgb(138,  
229, 38) }
```

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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