

Converting Colors

Yxy(61.2620, 0.3181, 0.5158)

Have a look what the booklet for
Yxy(61.2620, 0.3181, 0.5158)
contains.

Yxy(61.2709, 0.3181, 0.5158)	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(61.2709, 0.3181, 0.5158)

Conversions

Conversions Part 1

Format	Color
Hex	77E65B
RGB	119, 230, 91
RGB Percent	47%, 90%, 36%
CMY	0.5336, 0.0980, 0.6432
CMYK	0.48, 0.00, 0.60, 0.10
HSL	108°, 74%, 63%
HSV	108°, 60%, 90%
XYZ	37.7865, 61.2709, 19.7307
YIQ	180.9650, -21.5370, -66.7610

Conversions

Conversions Part 2

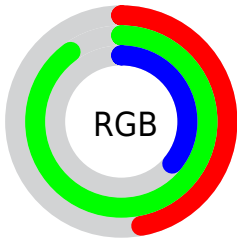
Format	Color
R_{YB}	91, 230, 202
Decimal	7857755
CIE _{Lab}	82.52, -57.02, 56.69
CIE _{LCh}	83, 80.408, 135.166
Yxy	61.2709, 0.3181, 0.5158
Android (android.graphics.Color)	4286047835 (0xFF77E65B)
YUV	180.9650, -44.3527, -54.3433
Hunter-Lab	78.2757, -50.8142, 39.8480

Details

The Yxy color **61.2709, 0.3181, 0.5158** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **25.7616, 0.2909, 0.1767**, and the grayscale version is **46.4349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0293, 0.3255, 0.4563**, and **30.8434, 0.3106, 0.5682** is the 20% darker color. If you saturate the color by 10%, you get **59.7593, 0.3163, 0.5453**, and if you desaturate by 10%, it is **63.1606, 0.3189, 0.4830**.

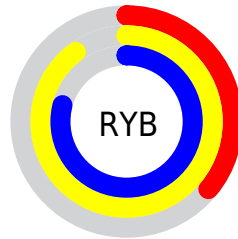
Distribution



Red (47%)

Green (90%)

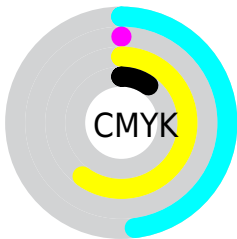
Blue (36%)



Red (36%)

Yellow (90%)

Blue (79%)

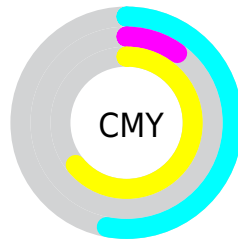


Cyan (48%)

Magenta (0%)

Yellow (60%)

Black (10%)



Cyan (53%)


Magenta (10%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2709, 0.3181, 0.5158 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 61.2709, 0.3181, 0.5158 by changing the saturation by 10% instead.


 61.2709, 0.3181,
0.5158


 61.2709, 0.3181,
0.5158


429.2666, 0.3215,
0.4207


 44.4438, 0.3152,
0.5390


 106.6711, 0.3208,
0.4814


 31.0196, 0.3104,
0.5681


 136.0130, 0.3214,
0.4684

 20.6138, 0.3022,
0.6051


 170.2953, 0.3217,
0.4574

 12.8420, 0.2876,
0.6526

 209.9024, 0.3218,
0.4479

 7.3198, 0.2678,
0.7322

255.2187, 0.3218,
0.4398

 3.6629, 0.2120,
0.7880

306.6285, 0.3218,

 1.4868, 0.0000,

0.4326

1.0000

364.5164, 0.3216,
0.4263

■ 0.2794, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.2709, 0.3181,
0.5158

■ 61.2709, 0.3181,
0.5158

■ 59.7593, 0.3163,
0.5453

■ 63.1606, 0.3189,
0.4830

■ 58.5921, 0.3134,
0.5691


■ 65.4442, 0.3188,
0.4490


■ 57.7420, 0.3099,
0.5857

■ 68.1457, 0.3179,
0.4157


■ 57.1868, 0.3063,
0.5950

■ 71.2849, 0.3165,
0.3844

 74.8805, 0.3148,
0.3557

 78.9499, 0.3128,
0.3301

 83.5097, 0.3108,
0.3073

 85.0805, 0.3138,
0.3049

Harmonies

Analogous

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



61.2709, 0.4100, 0.5024



61.2709, 0.3181, 0.5158



61.2709, 0.2296, 0.4430

Triad

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



61.2709, 0.3181, 0.5158



61.2709, 0.1578, 0.1927



61.2709, 0.4758, 0.3026

Complementary

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



61.2709, 0.3181, 0.5158



25.7616, 0.2909, 0.1767

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.



61.2709, 0.3831, 0.2434



61.2709, 0.3181, 0.5158



61.2709, 0.2010, 0.1830

Square

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



61.2709, 0.3181, 0.5158



61.2709, 0.1468, 0.2374



61.2709, 0.2791, 0.2012



61.2709, 0.5120, 0.3699

Rectangle

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



61.2709, 0.3181, 0.5158



61.2709, 0.1852, 0.3647



61.2709, 0.2791, 0.2012



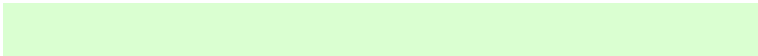
61.2709, 0.4494, 0.2816

Sweetspot

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



61.2735, 0.3181, 0.5158



91.0842, 0.3161, 0.3774



58.8390, 0.4168, 0.4446



19.2263, 0.3166, 0.3862



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.



61.2735, 0.3181, 0.5158



75.0284, 0.3155, 0.5530



60.4465, 0.2862, 0.4719



16.2279, 0.3146, 0.3531



32.4130, 0.3070, 0.5944



2.4338, 0.3164, 0.5869

Inverse Universe

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



25.7616, 0.2909, 0.1767



26.2989, 0.2840, 0.1526



28.0517, 0.3634, 0.2229



14.4613, 0.3106, 0.3056



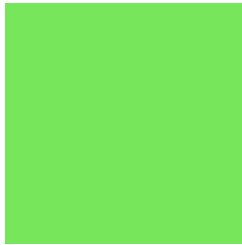
9.0402, 0.2706, 0.1264



0.7053, 0.2783, 0.1307

Previews

White Background



This preview shows how the Yxy color 61.2709, 0.3181, 0.5158 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 61.2709, 0.3181, 0.5158 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 61.2709, 0.3181, 0.5158

Background



This preview shows how black text looks on a background with the Yxy color 61.2709, 0.3181, 0.5158.



This preview shows how white text looks on a background with the Yxy color 61.2709, 0.3181, 0.5158.

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

61.2709, 0.3181, 0.5158

Protanopia

60.1412, 0.4158, 0.4560

Deuteranopia

60.0324, 0.4322, 0.4224



Tritanopia

61.1059, 0.2576, 0.3080

Trichromacy



Original Color

61.2709, 0.3181, 0.5158



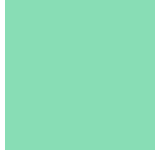
Protanomaly

58.9518, 0.3760, 0.4796



Deuteranomaly

58.1852, 0.3859, 0.4573



Tritanomaly

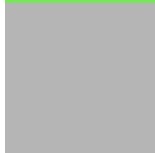
60.2833, 0.2813, 0.3824

Monochromacy



Original Color

61.2709, 0.3181, 0.5158



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.2541, 0.3171, 0.3997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2709, 0.3181, 0.5158 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(119, 230, 91)` looks like.

```
.text, #text, p{  
    color:rgb(119, 230, 91)  
}
```

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(119, 230, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 230, 91) }
```

Border

The CSS property to change the border of an element to Yxy 61.2709, 0.3181, 0.5158 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(119, 230, 91) }
```

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

```
.border{ border-color:rgb(119, 230, 91) }
```

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

Here you see how a box with a 4 pixel rgb(119, 230, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 230, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 230, 91);  
box-shadow:4px 4px 4px 4px rgb(119, 230,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2709, 0.3181, 0.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 230, 91) }
```

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

```
.background{ background-color: rgb(119,  
230, 91) }
```

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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