

Converting Colors

$Yxy(60.8038, 0.2996, 0.4626)$

Have a look what the booklet for
Yxy(60.8038, 0.2996, 0.4626)
contains.

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Color

Yxy(61.0474, 0.2996, 0.4636)

Conversions

Conversions Part 1

Format	Color
Hex	77E483
RGB	119, 228, 131
RGB Percent	47%, 89%, 51%
CMY	0.5332, 0.1059, 0.4862
CMYK	0.48, 0.00, 0.43, 0.11
HSL	127°, 67%, 68%
HSV	127°, 48%, 89%
XYZ	39.4517, 61.0474, 31.1821
YIQ	184.3510, -33.8270, -53.2750

Conversions

Conversions Part 2

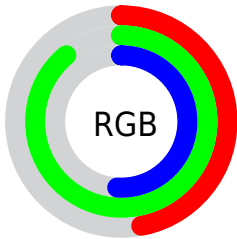
Format	Color
RYB	119, 217, 228
Decimal	7857283
CIELab	82.40, -51.18, 37.83
CIElCh	82, 63.647, 143.528
Yxy	61.0474, 0.2996, 0.4636
Android (android.graphics.Color)	4286047363 (0xFF77E483)
YUV	184.3510, -26.3020, -57.3128
Hunter-Lab	78.1328, -46.6023, 31.0309

Details

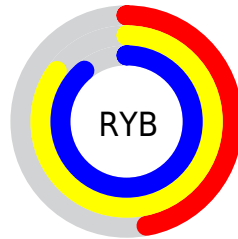
The Yxy color **61.0474, 0.2996, 0.4636** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **34.6534, 0.3298, 0.2241**, and the grayscale version is **48.3052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3699, 0.3043, 0.4098**, and **31.0140, 0.2921, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **59.1277, 0.2977, 0.4965**, and if you desaturate by 10%, it is **63.4669, 0.3020, 0.4310**.

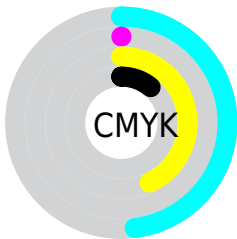
Distribution



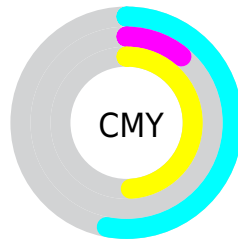
- Red (47%)
- Green (89%)
- Blue (51%)



- Red (47%)
- Yellow (85%)
- Blue (89%)



- Cyan (48%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (53%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.0474, 0.2996, 0.4636 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 61.0474, 0.2996, 0.4636 by changing the saturation by 10% instead.

 61.0474, 0.2996,
0.4636

 61.0474, 0.2996,
0.4636


428.4478, 0.3087,
0.3948


 44.2634, 0.2966,
0.4809


 106.3476, 0.3035,
0.4384

 30.8777, 0.2922,
0.5032

 135.6325, 0.3048,
0.4290

 20.5057, 0.2857,
0.5326


 169.8533, 0.3058,
0.4211

 12.7632, 0.2753,
0.5729

209.3943, 0.3066,
0.4143

 7.2657, 0.2575,
0.6303

254.6398, 0.3073,
0.4084

 3.6288, 0.2358,
0.7526

305.9743, 0.3078,

 1.4682, 0.0366,

0.4033

0.9634

363.7821, 0.3083,
0.3988

0.2662, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.0474, 0.2996,
0.4636

61.0474, 0.2996,
0.4636

59.1277, 0.2977,
0.4965

63.4669, 0.3020,
0.4310

57.6656, 0.2965,
0.5278


66.4097, 0.3048,
0.4001


56.6249, 0.2961,
0.5553


69.9069, 0.3077,
0.3718


55.9602, 0.2967,
0.5767

73.9850, 0.3105,
0.3466

 55.6106, 0.2979,
0.5910

 78.6688, 0.3133,
0.3244

 55.5572, 0.2981,
0.5932

 83.8238, 0.3154,
0.3050

 83.9667, 0.3139,
0.3029

Harmonies

Analogous

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



61.0474, 0.3766, 0.4768



61.0474, 0.2996, 0.4636



61.0474, 0.2304, 0.3934

Triad

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



61.0474, 0.2996, 0.4636



61.0474, 0.1913, 0.2119



61.0474, 0.4560, 0.3259

Complementary

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



61.0474, 0.2996, 0.4636



34.6534, 0.3298, 0.2241

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.



61.0474, 0.3924, 0.2721



61.0474, 0.2996, 0.4636



61.0474, 0.2370, 0.2094

Square

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



61.0474, 0.2996, 0.4636



61.0474, 0.1743, 0.2427



61.0474, 0.3090, 0.2310



61.0474, 0.4726, 0.3848

Rectangle

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



61.0474, 0.2996, 0.4636



61.0474, 0.1978, 0.3340



61.0474, 0.3090, 0.2310



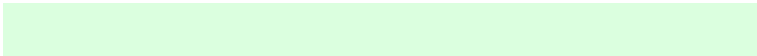
61.0474, 0.4391, 0.3071

Sweetspot

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



61.0499, 0.2996, 0.4636



91.9666, 0.3087, 0.3621



71.5868, 0.3746, 0.4490



19.4489, 0.3081, 0.3678



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.



61.0499, 0.2996, 0.4636



76.3097, 0.2977, 0.4951



62.8888, 0.2714, 0.3874



16.1148, 0.3101, 0.3506



32.0894, 0.2977, 0.5918



2.3799, 0.2926, 0.5733

Inverse Universe

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



34.6534, 0.3298, 0.2241



38.5691, 0.3339, 0.2065



32.3255, 0.3900, 0.2791



14.5865, 0.3155, 0.3083



12.0227, 0.3507, 0.1705



0.8963, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 61.0474, 0.2996, 0.4636 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 61.0474, 0.2996, 0.4636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

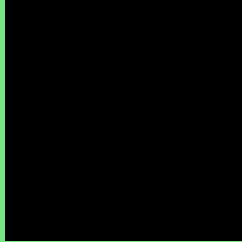
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.0474, 0.2996, 0.4636

Background



This preview shows how black text looks on a background with the Yxy color 61.0474, 0.2996, 0.4636.



This preview shows how white text looks on a background with the Yxy color 61.0474, 0.2996, 0.4636.

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

61.0474, 0.2996, 0.4636

Protanopia

60.2788, 0.3885, 0.4217

Deuteranopia

60.1274, 0.3982, 0.3894



Tritanopia

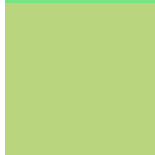
60.7457, 0.2555, 0.3078

Trichromacy



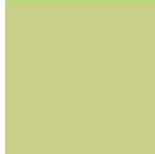
Original Color

61.0474, 0.2996, 0.4636



Protanomaly

59.3835, 0.3512, 0.4391



Deuteranomaly

58.5453, 0.3573, 0.4158



Tritanomaly

60.2403, 0.2716, 0.3605

Monochromacy



Original Color

61.0474, 0.2996, 0.4636



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.4987, 0.3067, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.0474, 0.2996, 0.4636 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, 228, 131)` looks like.

```
.text, #text, p{  
    color:rgb(119, 228, 131)  
}
```

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, 228, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 228, 131) }
```

Border

The CSS property to change the border of an element to Yxy 61.0474, 0.2996, 0.4636 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, 228, 131) }
```

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

```
.border{ border-color:rgb(119, 228, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 228, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 228, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 228, 131);  
box-shadow:4px 4px 4px 4px rgb(119, 228,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 61.0474, 0.2996, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 228, 131) }
```

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

```
.background{ background-color: rgb(119,  
228, 131) }
```

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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