

Converting Colors

Yxy(61.5698, 0.3295, 0.5288)

Have a look what the booklet for
Yxy(61.5698, 0.3295, 0.5288)
contains.

| | |
|--|----|
| Yxy(61.6908, 0.3296, 0.5286) | 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(61.6908, 0.3296, 0.5286)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 80E64B |
| RGB | 128, 230, 75 |
| RGB Percent | 50%, 90%, 29% |
| CMY | 0.4982, 0.0980, 0.7056 |
| CMYK | 0.44, 0.00, 0.67, 0.10 |
| HSL | 100°, 76%, 60% |
| HSV | 100°, 67%, 90% |
| XYZ | 38.4663, 61.6908, 16.5489 |
| YIQ | 181.8320, -11.0370, -69.8290 |

Conversions

Conversions Part 2

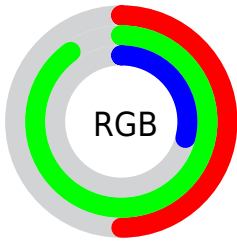
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 75, 230, 177 |
| Decimal | 8447563 |
| CIELab | 82.75, -55.80, 63.52 |
| CIElCh | 83, 84.549, 131.296 |
| Yxy | 61.6908, 0.3296, 0.5286 |
| Android (android.graphics.Color) | 4286637643 (0xFF80E64B) |
| YUV | 181.8320, -52.6682, -47.2107 |
| Hunter-Lab | 78.5435, -50.0316, 42.4882 |

Details

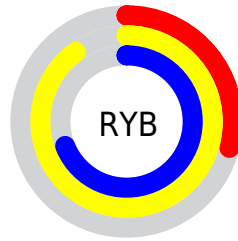
The Yxy color **61.6908, 0.3296, 0.5286** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **20.1171, 0.2649, 0.1524**, and the grayscale version is **46.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7235, 0.3380, 0.4690**, and **31.4654, 0.3227, 0.5819** is the 20% darker color. If you saturate the color by 10%, you get **60.3451, 0.3274, 0.5532**, and if you desaturate by 10%, it is **63.3310, 0.3301, 0.4995**.

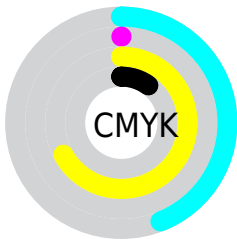
Distribution



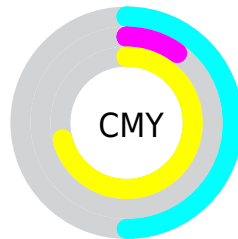
- Red (50%)
- Green (90%)
- Blue (29%)



- Red (29%)
- Yellow (90%)
- Blue (69%)



- Cyan (44%)
- Magenta (0%)
- Yellow (67%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6908, 0.3296, 0.5286 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 61.6908, 0.3296, 0.5286 by changing the saturation by 10% instead.

 61.6908, 0.3296,
0.5286

 61.6908, 0.3296,
0.5286


430.8023, 0.3288,
0.4282

 44.7829, 0.3272,
0.5525


 107.2785, 0.3312,
0.4927

 31.2865, 0.3227,
0.5819


 136.7271, 0.3313,
0.4790


 20.8171, 0.3143,
0.6184


 171.1248, 0.3311,
0.4673

 12.9904, 0.2993,
0.6643

 210.8559, 0.3307,
0.4573

 7.4219, 0.2735,
0.7265

 256.3048, 0.3303,
0.4485

 3.7273, 0.2192,
0.7808

307.8559, 0.3298,

 1.5222, 0.0000,

0.4409

1.0000

365.8936, 0.3293,
0.4342

■ 0.3043, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6908, 0.3296,
0.5286

■ 61.6908, 0.3296,
0.5286

■ 60.3451, 0.3274,
0.5532

■ 63.3310, 0.3301,
0.4995

■ 59.2653, 0.3235,
0.5719


■ 65.2761, 0.3291,
0.4680


■ 58.4285, 0.3184,
0.5839


■ 67.5452, 0.3269,
0.4358


■ 58.2398, 0.3170,
0.5865

■ 70.1536, 0.3237,
0.4044

 73.1155, 0.3199,
0.3747

 76.4443, 0.3158,
0.3474

 80.1526, 0.3116,
0.3227

 83.9868, 0.3099,
0.3046

 85.0783, 0.3138,
0.3049

Harmonies

Analogous

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



61.6908, 0.4238, 0.5023



61.6908, 0.3296, 0.5286



61.6908, 0.2359, 0.4639

Triad

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



61.6908, 0.3296, 0.5286



61.6908, 0.1488, 0.1908



61.6908, 0.4737, 0.2922

Complementary

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



61.6908, 0.3296, 0.5286



20.1171, 0.2649, 0.1524

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.



61.6908, 0.3716, 0.2331



61.6908, 0.3296, 0.5286



61.6908, 0.1888, 0.1771

Square

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



61.6908, 0.3296, 0.5286



61.6908, 0.1416, 0.2419



61.6908, 0.2648, 0.1925



61.6908, 0.5202, 0.3606

Rectangle

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



61.6908, 0.3296, 0.5286



61.6908, 0.1871, 0.3824



61.6908, 0.2648, 0.1925



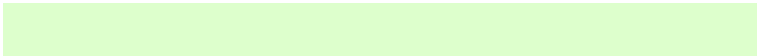
61.6908, 0.4436, 0.2711

Sweetspot

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



61.6934, 0.3296, 0.5286



91.3160, 0.3210, 0.3827



48.2983, 0.4446, 0.4348



19.3167, 0.3221, 0.3910



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.



61.6934, 0.3296, 0.5286



75.6559, 0.3260, 0.5617



58.9849, 0.2941, 0.5189



16.3270, 0.3167, 0.3529



33.0300, 0.3181, 0.5856



2.4906, 0.3293, 0.5767

Inverse Universe

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



20.1171, 0.2649, 0.1524



19.6224, 0.2517, 0.1266



26.3601, 0.3455, 0.1963



14.3560, 0.3083, 0.3054



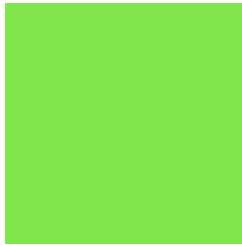
7.0559, 0.2367, 0.1078



0.5722, 0.2491, 0.1146

Previews

White Background



This preview shows how the Yxy color 61.6908, 0.3296, 0.5286 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 61.6908, 0.3296, 0.5286 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 61.6908, 0.3296, 0.5286

Background



This preview shows how black text looks on a background with the Yxy color 61.6908, 0.3296, 0.5286.



This preview shows how white text looks on a background with the Yxy color 61.6908, 0.3296, 0.5286.

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**

61.6908, 0.3296, 0.5286

Protanopia

60.7380, 0.4238, 0.4665

Deuteranopia

60.7892, 0.4424, 0.4331



Tritanopia

61.2971, 0.2624, 0.3082

Trichromacy



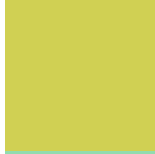
Original Color

61.6908, 0.3296, 0.5286



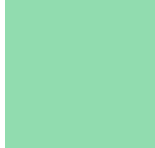
Protanomaly

59.7545, 0.3856, 0.4910



Deuteranomaly

59.1462, 0.3971, 0.4685



Tritanomaly

60.3013, 0.2901, 0.3887

Monochromacy



Original Color

61.6908, 0.3296, 0.5286



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.5114, 0.3238, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6908, 0.3296, 0.5286 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(128, 230, 75)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 75)  
}
```

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(128, 230, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 75) }
```

Border

The CSS property to change the border of an element to Yxy 61.6908, 0.3296, 0.5286 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(128, 230, 75) }
```

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

```
.border{ border-color:rgb(128, 230, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 230, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 75);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6908, 0.3296, 0.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 75) }
```

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

```
.background{ background-color: rgb(128,  
230, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor