

Converting Colors

$Yxy(68.6839, 0.3263, 0.5076)$

Have a look what the booklet for
Yxy(68.6839, 0.3263, 0.5076)
contains.

Yxy(68.7775, 0.3261, 0.5077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.7775, 0.3261, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	8CF062
RGB	140, 240, 98
RGB Percent	55%, 94%, 38%
CMY	0.4512, 0.0588, 0.6155
CMYK	0.42, 0.00, 0.59, 0.06
HSL	102°, 83%, 66%
HSV	102°, 59%, 94%
XYZ	44.1764, 68.7775, 22.5149
YIQ	193.9120, -14.0180, -65.3620

Conversions

Conversions Part 2

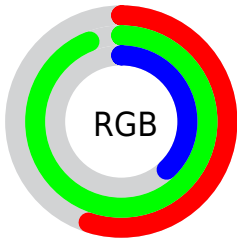
Format	Color
RYB	98, 240, 198
Decimal	9236578
CIELab	86.39, -54.05, 58.27
CIElCh	86, 79.478, 132.845
Yxy	68.7775, 0.3261, 0.5077
Android (android.graphics.Color)	4287426658 (0xFF8CF062)
YUV	193.9120, -47.2846, -47.2808
Hunter-Lab	82.9322, -50.0479, 41.9562

Details

The Yxy color **68.7775, 0.3261, 0.5077** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.0580, 0.2786, 0.1736**, and the grayscale version is **54.1840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9620, 0.3348, 0.4424**, and **35.7835, 0.3215, 0.5545** is the 20% darker color. If you saturate the color by 10%, you get **67.0349, 0.3249, 0.5367**, and if you desaturate by 10%, it is **70.8877, 0.3259, 0.4758**.

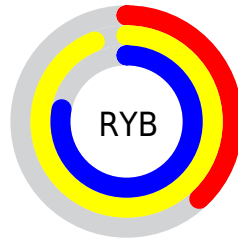
Distribution



Red (55%)

Green (94%)

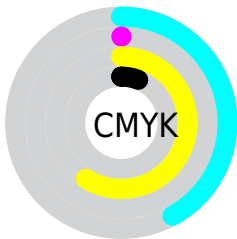
Blue (38%)



Red (38%)

Yellow (94%)

Blue (78%)

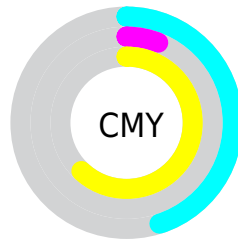


Cyan (42%)

Magenta (0%)

Yellow (59%)

Black (6%)



Cyan (45%)

Magenta (6%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7775, 0.3261, 0.5077 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 68.7775, 0.3261, 0.5077 by changing the saturation by 10% instead.


 68.7775, 0.3261,
0.5077


 68.7775, 0.3261,
0.5077


456.2458, 0.3254,
0.4190


 50.5305, 0.3244,
0.5287


 117.4637, 0.3272,
0.4761

 35.8351, 0.3213,
0.5548

 148.6718, 0.3272,
0.4641

 24.3069, 0.3156,
0.5875


 184.9689, 0.3271,
0.4538

 15.5614, 0.3050,
0.6290

 226.7397, 0.3268,
0.4449

 9.2143, 0.2881,
0.6886

274.3683, 0.3265,
0.4372

 4.8813, 0.2492,
0.7508

328.2393, 0.3261,

 2.1778, 0.1570,

0.4304

0.8430

388.7370, 0.3258,
0.4244

0.7078, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.7775, 0.3261,
0.5077

68.7775, 0.3261,
0.5077

67.0349, 0.3249,
0.5367

70.8877, 0.3259,
0.4758

65.6284, 0.3221,
0.5608


73.3775, 0.3245,
0.4429


64.5348, 0.3180,
0.5783


76.2686, 0.3222,
0.4106

63.7193, 0.3131,
0.5891

79.5788, 0.3192,
0.3802

 63.6596, 0.3127,
0.5899

 83.3245, 0.3159,
0.3522

 87.5214, 0.3124,
0.3270

 90.8059, 0.3134,
0.3146

Harmonies

Analogous

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



68.7775, 0.4136, 0.4919



68.7775, 0.3261, 0.5077



68.7775, 0.2398, 0.4445

Triad

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



68.7775, 0.3261, 0.5077



68.7775, 0.1616, 0.2003



68.7775, 0.4626, 0.2996

Complementary

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



68.7775, 0.3261, 0.5077



27.0580, 0.2786, 0.1736

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.



68.7775, 0.3721, 0.2431



68.7775, 0.3261, 0.5077



68.7775, 0.2012, 0.1882

Square

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



68.7775, 0.3261, 0.5077



68.7775, 0.1535, 0.2471



68.7775, 0.2740, 0.2038



68.7775, 0.5028, 0.3646

Rectangle

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



68.7775, 0.3261, 0.5077



68.7775, 0.1951, 0.3721



68.7775, 0.2740, 0.2038



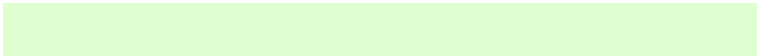
68.7775, 0.4362, 0.2794

Sweetspot

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



68.7804, 0.3261, 0.5077



91.7606, 0.3189, 0.3770



59.5349, 0.4226, 0.4322



19.3889, 0.3198, 0.3856



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.



68.7804, 0.3261, 0.5077



76.5559, 0.3244, 0.5422



66.4435, 0.2919, 0.4848



17.8824, 0.3160, 0.3531



34.9047, 0.3137, 0.5891



2.9532, 0.3234, 0.5814

Inverse Universe

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



27.0580, 0.2786, 0.1736



24.6060, 0.2689, 0.1479



32.0069, 0.3485, 0.2139



15.7835, 0.3091, 0.3054



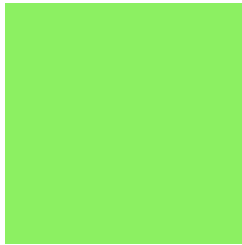
8.1429, 0.2474, 0.1137



0.7285, 0.2574, 0.1191

Previews

White Background



This preview shows how the Yxy color 68.7775, 0.3261, 0.5077 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 68.7775, 0.3261, 0.5077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

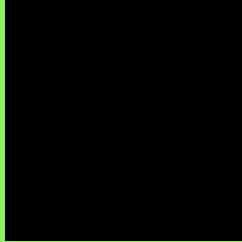
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7775, 0.3261, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 68.7775, 0.3261, 0.5077.



This preview shows how white text looks on a background with the Yxy color 68.7775, 0.3261, 0.5077.

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

68.7775, 0.3261, 0.5077

Protanopia

67.7069, 0.4141, 0.4538

Deuteranopia

67.7497, 0.4016, 0.3988



Tritanopia

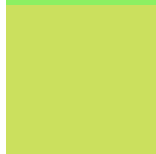
68.3208, 0.2643, 0.3080

Trichromacy



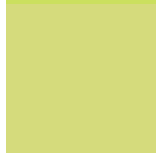
Original Color

68.7775, 0.3261, 0.5077



Protanomaly

66.8160, 0.3786, 0.4746



Deuteranomaly

66.2644, 0.3722, 0.4372



Tritanomaly

67.3793, 0.2887, 0.3792

Monochromacy



Original Color

68.7775, 0.3261, 0.5077



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.0904, 0.3206, 0.3962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7775, 0.3261, 0.5077 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(140, 240, 98)` looks like.

```
.text, #text, p{  
    color:rgb(140, 240, 98)  
}
```

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(140, 240, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 240, 98) }
```

Border

The CSS property to change the border of an element to Yxy 68.7775, 0.3261, 0.5077 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(140, 240, 98) }
```

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

```
.border{ border-color:rgb(140, 240, 98) }
```

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

Here you see how a box with a 4 pixel rgb(140, 240, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 240, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 240, 98);  
box-shadow:4px 4px 4px 4px rgb(140, 240,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7775, 0.3261, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 240, 98) }
```

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

```
.background{ background-color: rgb(140,  
240, 98) }
```

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