

# Converting Colors

$Yxy(67.2526, 0.3369, 0.5555)$

Have a look what the booklet for  
Yxy(67.2526, 0.3369, 0.5555)  
contains.

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# Color

**Yxy(67.2332, 0.3370, 0.5555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82F02A
RGB	130, 240, 42
RGB Percent	51%, 94%, 16%
CMY	0.4900, 0.0588, 0.8356
CMYK	0.46, 0.00, 0.83, 0.06
HSL	93°, 87%, 55%
HSV	93°, 83%, 94%
XYZ	40.7877, 67.2332, 13.0109
YIQ	184.5380, -2.0020, -84.8980

# Conversions

## Conversions Part 2

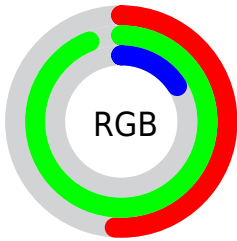
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 240, 152
Decimal	8581162
CIELab	85.62, -60.89, 76.70
CIELCh	86, 97.928, 128.443
Yxy	67.2332, 0.3370, 0.5555
Android (android.graphics.Color)	4286771242 (0xFF82F02A)
YUV	184.5380, -70.2712, -47.8298
Hunter-Lab	81.9959, -54.7003, 47.9891

# Details

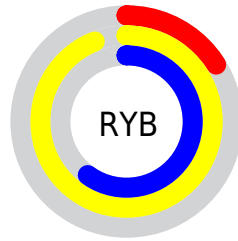
The Yxy color **67.2332, 0.3370, 0.5555** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **14.6076, 0.2307, 0.1143**, and the grayscale version is **48.6471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6370, 0.3518, 0.4917**, and **34.9908, 0.3194, 0.5846** is the 20% darker color. If you saturate the color by 10%, you get **66.1261, 0.3325, 0.5701**, and if you desaturate by 10%, it is **68.5852, 0.3396, 0.5350**.

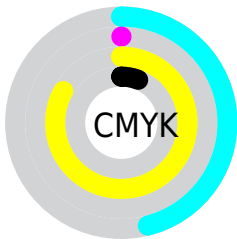
# Distribution



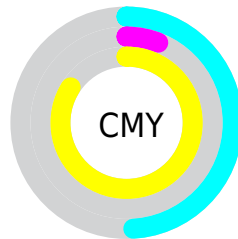
- Red (51%)
- Green (94%)
- Blue (16%)



- Red (16%)
- Yellow (94%)
- Blue (60%)



- Cyan (46%)
- Magenta (0%)
- Yellow (83%)
- Black (6%)




- Cyan (49%)
- Magenta (6%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2332, 0.3370, 0.5555 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 67.2332, 0.3370, 0.5555 by changing the saturation by 10% instead.



 67.2332, 0.3370,  
0.5555


 67.2332, 0.3370,  
0.5555

450.7744, 0.3360,  
0.4448


 49.2742, 0.3337,  
0.5802


 115.2545, 0.3393,  
0.5171


 34.8370, 0.3277,  
0.6097


 146.0856, 0.3394,  
0.5020


 23.5374, 0.3170,  
0.6448


 181.9761, 0.3391,  
0.4890

 14.9908, 0.3013,  
0.6924

 223.3104, 0.3387,  
0.4778

 8.8129, 0.2670,  
0.7330

 270.4731, 0.3381,  
0.4680

 4.6194, 0.2151,  
0.7849

323.8483, 0.3374,

 2.0257, 0.0721,

0.4593

0.9279

383.8206, 0.3367,  
0.4516

■ 0.6223, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.2332, 0.3370,  
0.5555

■ 67.2332, 0.3370,  
0.5555

■ 66.1261, 0.3325,  
0.5701


■ 68.5852, 0.3396,  
0.5350

■ 65.4313, 0.3283,  
0.5775


■ 70.1942, 0.3400,  
0.5095


■ 72.0812, 0.3385,  
0.4806

■ 74.2620, 0.3354,  
0.4499

 76.7512, 0.3310,  
0.4191

 79.5621, 0.3258,  
0.3892

 82.7072, 0.3201,  
0.3611

 86.1983, 0.3142,  
0.3352

 89.8562, 0.3101,  
0.3145

# Harmonies

## Analogous

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



67.2332, 0.4393, 0.5109



67.2332, 0.3370, 0.5555



67.2332, 0.2340, 0.4954

# Triad

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



67.2332, 0.3370, 0.5555



67.2332, 0.1322, 0.1799



67.2332, 0.4844, 0.2799

# Complementary

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



67.2332, 0.3370, 0.5555



14.6076, 0.2307, 0.1143

# 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.



67.2332, 0.3656, 0.2182



67.2332, 0.3370, 0.5555



67.2332, 0.1710, 0.1633

# Square

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



67.2332, 0.3370, 0.5555



67.2332, 0.1271, 0.2382



67.2332, 0.2490, 0.1773



67.2332, 0.5422, 0.3515



# Rectangle

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



67.2332, 0.3370, 0.5555



67.2332, 0.1791, 0.4024



67.2332, 0.2490, 0.1773



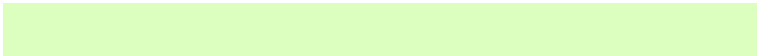
67.2332, 0.4487, 0.2577

# Sweetspot

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



67.2361, 0.3370, 0.5555



90.4473, 0.3271, 0.3967



40.7836, 0.4951, 0.4260



19.1141, 0.3290, 0.4072



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.



67.2361, 0.3370, 0.5555



75.1603, 0.3286, 0.5768



63.0575, 0.2990, 0.5761



18.0005, 0.3183, 0.3529



35.8942, 0.3295, 0.5766



3.0442, 0.3397, 0.5685



# Inverse Universe

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



14.6076, 0.2307, 0.1143



13.0882, 0.2127, 0.0948



25.8952, 0.3311, 0.1679



15.6614, 0.3067, 0.3052



6.2644, 0.2135, 0.0950

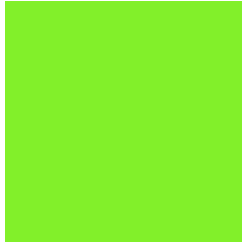


0.5801, 0.2270, 0.1024



# Previews

## White Background



This preview shows how the Yxy color 67.2332, 0.3370, 0.5555 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 67.2332, 0.3370, 0.5555 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

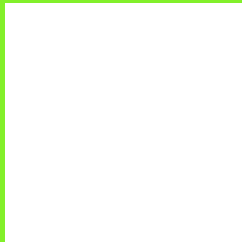
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.2332, 0.3370, 0.5555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2332, 0.3370, 0.5555.

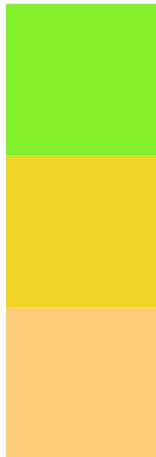


This preview shows how white text looks on a background with the Yxy color 67.2332, 0.3370, 0.5555.

# 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

67.2332, 0.3370, 0.5555

### Protanopia

66.0606, 0.4359, 0.4824

### Deuteranopia

65.8262, 0.4158, 0.4129



## Tritanopia

66.4972, 0.2617, 0.3077

# Trichromacy



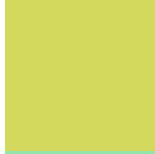
## Original Color

67.2332, 0.3370, 0.5555



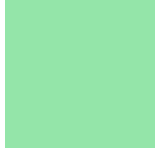
## Protanomaly

65.0574, 0.3957, 0.5119



## Deuteranomaly

64.1001, 0.3889, 0.4675



## Tritanomaly

65.1991, 0.2958, 0.4069

# Monochromacy



## Original Color

67.2332, 0.3370, 0.5555



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

53.3554, 0.3320, 0.4260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2332, 0.3370, 0.5555 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(130, 240, 42)` looks like.

```
.text, #text, p{  
    color:rgb(130, 240, 42)  
}
```

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(130, 240, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 240, 42) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2332, 0.3370, 0.5555 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(130, 240, 42) }
```

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

```
.border{ border-color:rgb(130, 240, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 240, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 240, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 240, 42);  
box-shadow:4px 4px 4px 4px rgb(130, 240,  
42) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2332, 0.3370, 0.5555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 240, 42) }
```

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

```
.background{ background-color: rgb(130,  
240, 42) }
```

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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