

Converting Colors

$Yxy(62.8849, 0.3097, 0.5862)$

Have a look what the booklet for
Yxy(62.8849, 0.3097, 0.5862)
contains.

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Color

Yxy(62.9492, 0.3098, 0.5863)

Conversions

Conversions Part 1

Format	Color
Hex	42EF16
RGB	66, 239, 22
RGB Percent	26%, 94%, 9%
CMY	0.7408, 0.0627, 0.9137
CMYK	0.72, 0.00, 0.91, 0.06
HSL	108°, 87%, 51%
HSV	108°, 91%, 94%
XYZ	33.2623, 62.9492, 11.1554
YIQ	162.5350, -33.4510, -104.1630

Conversions

Conversions Part 2

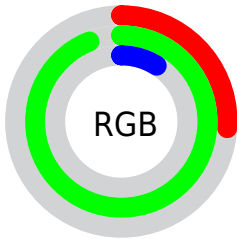
Format	Color
R _Y B	22, 239, 195
Decimal	4386582
CIE Lab	83.42, -76.17, 77.82
CIE LCh	83, 108.892, 134.384
Yxy	62.9492, 0.3098, 0.5863
Android (android.graphics.Color)	4282576662 (0xFF42EF16)
YUV	162.5350, -69.2838, -84.6612
Hunter-Lab	79.3405, -64.0126, 47.2021

Details

The Yxy color **62.9492, 0.3098, 0.5863** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **18.3965, 0.2741, 0.1315**, and the grayscale version is **36.7523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8352, 0.3240, 0.5203**, and **33.0477, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.3746, 0.3063, 0.5950**, and if you desaturate by 10%, it is **63.8665, 0.3134, 0.5701**.

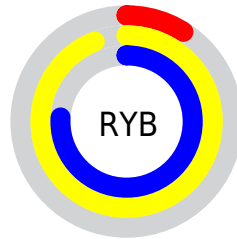
Distribution



Red (26%)

Green (94%)

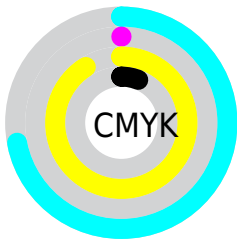
Blue (9%)



Red (9%)

Yellow (94%)

Blue (76%)

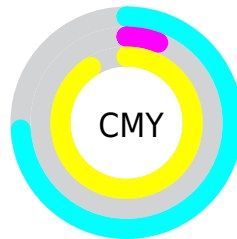


Cyan (72%)

Magenta (0%)

Yellow (91%)

Black (6%)



Cyan (74%)

Magenta (6%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9492, 0.3098, 0.5863 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 62.9492, 0.3098, 0.5863 by changing the saturation by 10% instead.


 62.9492, 0.3098,
0.5863


 62.9492, 0.3098,
0.5863


 435.3851, 0.3236,
0.4567

 45.8001, 0.3025,
0.6161


 109.0962, 0.3178,
0.5406


 32.0881, 0.2912,
0.6518


 138.8629, 0.3199,
0.5228


 21.4288, 0.2734,
0.6943


 173.6043, 0.3213,
0.5077

 13.4378, 0.2479,
0.7521

 213.7048, 0.3223,
0.4946

 7.7307, 0.2013,
0.7987

 259.5487, 0.3229,
0.4833

 3.9231, 0.1335,
0.8665

 311.5204, 0.3233,

 1.6307, 0.0000,

0.4733

1.0000

370.0045, 0.3235,
0.4645

■ 0.3781, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.9492, 0.3098,
0.5863

■ 62.9492, 0.3098,
0.5863


■ 62.3746, 0.3063,
0.5950


■ 63.8665, 0.3134,
0.5701


■ 65.1259, 0.3163,
0.5465


■ 66.7626, 0.3182,
0.5172


■ 68.8053, 0.3190,
0.4845

 71.2798, 0.3189,
0.4504

 74.2096, 0.3181,
0.4171

 77.6163, 0.3167,
0.3856

 81.5205, 0.3149,
0.3568

 85.9412, 0.3129,
0.3309

Harmonies

Analogous

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



62.9492, 0.4240, 0.5424



62.9492, 0.3098, 0.5863



62.9492, 0.2017, 0.4927

Triad

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



62.9492, 0.3098, 0.5863



62.9492, 0.1214, 0.1580



62.9492, 0.5271, 0.2866

Complementary

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



62.9492, 0.3098, 0.5863



18.3965, 0.2741, 0.1315

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.



62.9492, 0.4001, 0.2183



62.9492, 0.3098, 0.5863



62.9492, 0.1697, 0.1486

Square

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



62.9492, 0.3098, 0.5863



62.9492, 0.1085, 0.2083



62.9492, 0.2632, 0.1695



62.9492, 0.5692, 0.3630

Rectangle

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



62.9492, 0.3098, 0.5863



62.9492, 0.1492, 0.3772



62.9492, 0.2632, 0.1695



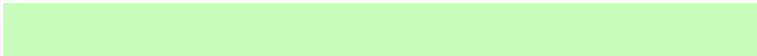
62.9492, 0.4913, 0.2625

Sweetspot

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



62.9518, 0.3098, 0.5863



87.3699, 0.3176, 0.4051



56.1004, 0.4572, 0.4699



18.4237, 0.3181, 0.4162



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.



62.9518, 0.3098, 0.5863



72.2449, 0.3062, 0.5951



62.5353, 0.2877, 0.5489



17.8110, 0.3146, 0.3532



34.5139, 0.3071, 0.5944



2.9119, 0.3154, 0.5878

Inverse Universe

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



18.3965, 0.2741, 0.1315



19.9438, 0.2690, 0.1255



22.1194, 0.3995, 0.2014



15.8598, 0.3105, 0.3055



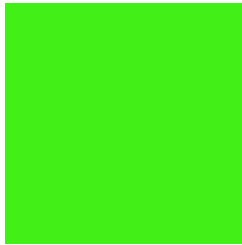
9.5825, 0.2700, 0.1261



0.8377, 0.2770, 0.1300

Previews

White Background



This preview shows how the Yxy color 62.9492, 0.3098, 0.5863 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 62.9492, 0.3098, 0.5863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

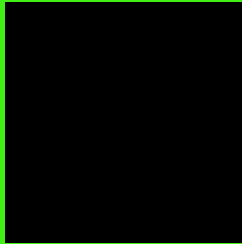
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

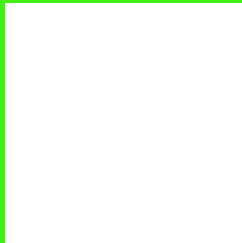
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.9492, 0.3098, 0.5863

Background



This preview shows how black text looks on a background with the Yxy color 62.9492, 0.3098, 0.5863.



This preview shows how white text looks on a background with the Yxy color 62.9492, 0.3098, 0.5863.

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

62.9492, 0.3098, 0.5863

Protanopia

61.2984, 0.4408, 0.4882

Deuteranopia

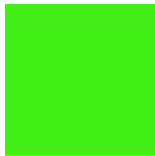
61.3190, 0.4463, 0.4384



Tritanopia

62.3157, 0.2418, 0.3064

Trichromacy



Original Color

62.9492, 0.3098, 0.5863



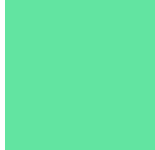
Protanomaly

58.9310, 0.3814, 0.5336



Deuteranomaly

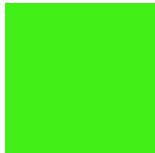
57.8418, 0.3864, 0.5013



Tritanomaly

60.6567, 0.2738, 0.4235

Monochromacy



Original Color

62.9492, 0.3098, 0.5863



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.0206, 0.3189, 0.4504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9492, 0.3098, 0.5863 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(66, 239, 22)` looks like.

```
.text, #text, p{  
    color:rgb(66, 239, 22)  
}
```

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(66, 239, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 239, 22) }
```

Border

The CSS property to change the border of an element to Yxy 62.9492, 0.3098, 0.5863 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(66, 239, 22) }
```

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

```
.border{ border-color:rgb(66, 239, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 239, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 239, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 239, 22);  
box-shadow:4px 4px 4px 4px rgb(66, 239,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9492, 0.3098, 0.5863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 239, 22) }
```

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

```
.background{ background-color: rgb(66, 239,  
22) }
```

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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