

Converting Colors

$Yxy(62.2704, 0.2970, 0.5892)$

Have a look what the booklet for
Yxy(62.2704, 0.2970, 0.5892)
contains.

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Color

Yxy(62.4476, 0.2970, 0.5892)

Conversions

Conversions Part 1

Format	Color
Hex	00F024
RGB	0, 240, 36
RGB Percent	0%, 94%, 14%
CMY	1.0000, 0.0588, 0.8589
CMYK	1.00, 0.00, 0.85, 0.06
HSL	129°, 100%, 47%
HSV	129°, 100%, 94%
XYZ	31.4782, 62.4476, 12.0613
YIQ	144.9840, -77.5560, -114.3240

Conversions

Conversions Part 2

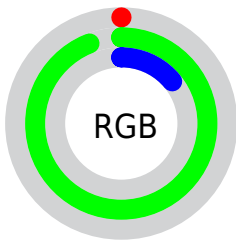
Format	Color
RYB	0, 209, 240
Decimal	61476
CIELab	83.15, -81.44, 74.90
CIELCh	83, 110.644, 137.396
Yxy	62.4476, 0.2970, 0.5892
Android (android.graphics.Color)	4278251556 (0xFF00F024)
YUV	144.9840, -53.7291, -127.1510
Hunter-Lab	79.0238, -67.1883, 46.2673

Details

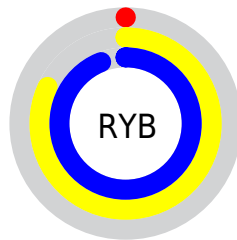
The Yxy color **62.4476, 0.2970, 0.5892** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **22.8867, 0.3636, 0.1777**, and the grayscale version is **28.5552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1241, 0.3093, 0.5206**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.4502, 0.2970, 0.5892**, and if you desaturate by 10%, it is **62.8064, 0.2952, 0.5747**.

Distribution



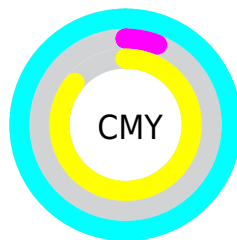
- Red (0%)
- Green (94%)
- Blue (14%)



- Red (0%)
- Yellow (82%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4476, 0.2970, 0.5892 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 62.4476, 0.2970, 0.5892 by changing the saturation by 10% instead.


 62.4476, 0.2970,
0.5892

 62.4476, 0.2970,
0.5892


433.5619, 0.3164,
0.4564

 45.3945, 0.2886,
0.6204

 108.3722, 0.3068,
0.5418

 31.7682, 0.2760,
0.6582


 138.0124, 0.3097,
0.5237

 21.1845, 0.2568,
0.7038


 172.6171, 0.3118,
0.5082

 13.2590, 0.2305,
0.7695

 212.5707, 0.3133,
0.4949

 7.6071, 0.1815,
0.8185

 258.2576, 0.3144,
0.4833

 3.8446, 0.1043,
0.8957

 310.0622, 0.3153,

 1.5870, 0.0000,

0.4732

1.0000

368.3688, 0.3159,
0.4643

■ 0.3488, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4476, 0.2970,
0.5892

■ 62.4476, 0.2970,
0.5892


■ 62.4502, 0.2970,
0.5892

■ 62.8064, 0.2952,
0.5747


■ 63.4842, 0.2940,
0.5537


■ 64.5673, 0.2939,
0.5271


■ 66.1082, 0.2949,
0.4969

 68.1510, 0.2968,
0.4650

 70.7348, 0.2994,
0.4334

 73.8946, 0.3025,
0.4033

 77.6627, 0.3059,
0.3757

 82.0688, 0.3093,
0.3509

Harmonies

Analogous

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



62.4476, 0.4130, 0.5533



62.4476, 0.2970, 0.5892



62.4476, 0.1902, 0.4793

Triad

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



62.4476, 0.2970, 0.5892



62.4476, 0.1223, 0.1532



62.4476, 0.5398, 0.2929

Complementary

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



62.4476, 0.2970, 0.5892



22.8867, 0.3636, 0.1777

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.



62.4476, 0.4164, 0.2229



62.4476, 0.2970, 0.5892



62.4476, 0.1749, 0.1471

Square

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



62.4476, 0.2970, 0.5892



62.4476, 0.1059, 0.1985



62.4476, 0.2745, 0.1712



62.4476, 0.5716, 0.3705

Rectangle

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



62.4476, 0.2970, 0.5892



62.4476, 0.1407, 0.3604



62.4476, 0.2745, 0.1712



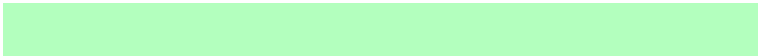
62.4476, 0.5064, 0.2684

Sweetspot

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



62.4502, 0.2970, 0.5892



84.7606, 0.3025, 0.4036



75.7334, 0.3956, 0.5241



17.7968, 0.3012, 0.4161



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.



62.4502, 0.2970, 0.5892



71.6614, 0.2971, 0.5895



64.5900, 0.2600, 0.4560



17.6950, 0.3095, 0.3497



34.1966, 0.2965, 0.5874



2.8565, 0.2909, 0.5671

Inverse Universe

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



22.8867, 0.3636, 0.1777



26.2577, 0.3638, 0.1778



19.2307, 0.5553, 0.2833



15.9883, 0.3161, 0.3092



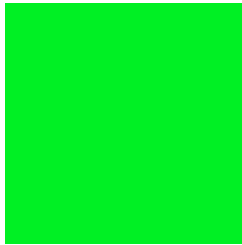
12.5438, 0.3628, 0.1772



1.0545, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 62.4476, 0.2970, 0.5892 looks on a white background.

Color Contrast Check

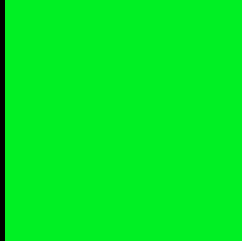
Large Text (above 18pt) WCAG AA × Fail

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 62.4476, 0.2970, 0.5892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

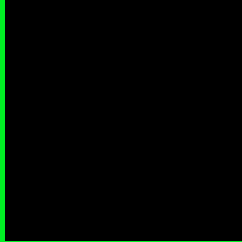
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

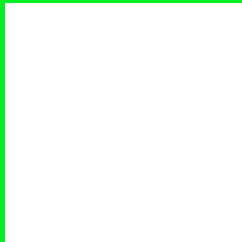
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.4476, 0.2970, 0.5892

Background



This preview shows how black text looks on a background with the Yxy color 62.4476, 0.2970, 0.5892.



This preview shows how white text looks on a background with the Yxy color 62.4476, 0.2970, 0.5892.

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

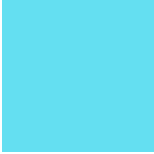
62.4476, 0.2970, 0.5892

Protanopia

61.2061, 0.4372, 0.4846

Deuteranopia

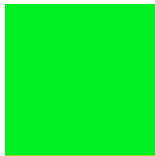
60.8120, 0.4491, 0.4401



Tritanopia

61.8356, 0.2352, 0.3061

Trichromacy



Original Color

62.4476, 0.2970, 0.5892



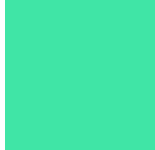
Protanomaly

56.4396, 0.3593, 0.5430



Deuteranomaly

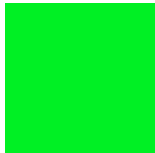
54.6068, 0.3664, 0.5125



Tritanomaly

59.8818, 0.2596, 0.4200

Monochromacy



Original Color

62.4476, 0.2970, 0.5892



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

35.9377, 0.2974, 0.4590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4476, 0.2970, 0.5892 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(0, 240, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 36)  
}
```

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(0, 240, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 36) }
```

Border

The CSS property to change the border of an element to Yxy 62.4476, 0.2970, 0.5892 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(0, 240, 36) }
```

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

```
.border{ border-color:rgb(0, 240, 36) }
```

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

Here you see how a box with a 4 pixel rgb(0, 240, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 36)  
}
```


Background

The CSS property to change the background color of an element to Yxy 62.4476, 0.2970, 0.5892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 36) }
```

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

```
.background{ background-color: rgb(0, 240,  
36) }
```

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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