

Converting Colors

$Yxy(62.4677, 0.2926, 0.5732)$

Have a look what the booklet for
Yxy(62.4677, 0.2926, 0.5732)
contains.

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Color

Yxy(62.6529, 0.2926, 0.5731)

Conversions

Conversions Part 1

Format	Color
Hex	01F03C
RGB	1, 240, 60
RGB Percent	0%, 94%, 24%
CMY	0.9962, 0.0588, 0.7647
CMYK	1.00, 0.00, 0.75, 0.06
HSL	135°, 99%, 47%
HSV	135°, 100%, 94%
XYZ	31.9879, 62.6529, 14.6821
YIQ	148.0190, -84.6640, -106.6480

Conversions

Conversions Part 2

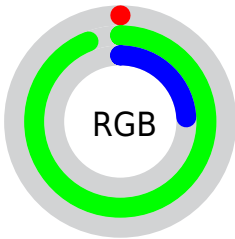
Format	Color
RYB	1, 193, 240
Decimal	127036
CIELab	83.26, -80.05, 68.58
CIELCh	83, 105.409, 139.414
Yxy	62.6529, 0.2926, 0.5731
Android (android.graphics.Color)	4278317116 (0xFF01F03C)
YUV	148.0190, -43.3934, -128.9357
Hunter-Lab	79.1536, -66.3827, 44.4099

Details

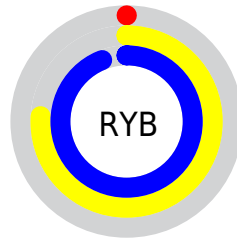
The Yxy color **62.6529, 0.2926, 0.5731** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **21.8818, 0.3963, 0.1958**, and the grayscale version is **29.8307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4293, 0.3024, 0.5020**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.6416, 0.2927, 0.5737**, and if you desaturate by 10%, it is **63.0804, 0.2898, 0.5549**.

Distribution



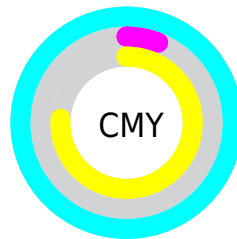
- Red (0%)
- Green (94%)
- Blue (24%)



- Red (0%)
- Yellow (76%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6529, 0.2926, 0.5731 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 62.6529, 0.2926, 0.5731 by changing the saturation by 10% instead.


 62.6529, 0.2926,
0.5731

 62.6529, 0.2926,
0.5731


434.3087, 0.3121,
0.4477


 45.5605, 0.2848,
0.6033


 108.6686, 0.3019,
0.5279


 31.8991, 0.2733,
0.6405


 138.3607, 0.3048,
0.5107

 21.2845, 0.2558,
0.6865


 173.0214, 0.3069,
0.4961

 13.3321, 0.2297,
0.7467

 213.0351, 0.3086,
0.4836

 7.6576, 0.1869,
0.8131

 258.7864, 0.3098,
0.4728

 3.8767, 0.1129,
0.8871

310.6594, 0.3108,

 1.6048, 0.0000,

0.4634

1.0000

369.0387, 0.3115,
0.4550

■ 0.3608, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.6529, 0.2926,
0.5731

■ 62.6529, 0.2926,
0.5731


■ 62.6416, 0.2927,
0.5737


■ 63.0804, 0.2898,
0.5549


■ 63.8224, 0.2879,
0.5320


■ 64.9582, 0.2876,
0.5055


■ 66.5366, 0.2888,
0.4771

 68.5995, 0.2912,
0.4481

 71.1835, 0.2947,
0.4200

 74.3217, 0.2988,
0.3935

 78.0443, 0.3034,
0.3693

 82.3795, 0.3081,
0.3475

Harmonies

Analogous

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



62.6529, 0.4051, 0.5508



62.6529, 0.2926, 0.5731



62.6529, 0.1904, 0.4602

Triad

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



62.6529, 0.2926, 0.5731



62.6529, 0.1306, 0.1579



62.6529, 0.5348, 0.3006

Complementary

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



62.6529, 0.2926, 0.5731



21.8818, 0.3963, 0.1958

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.



62.6529, 0.4214, 0.2313



62.6529, 0.2926, 0.5731



62.6529, 0.1850, 0.1537

Square

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



62.6529, 0.2926, 0.5731



62.6529, 0.1124, 0.1998



62.6529, 0.2848, 0.1791



62.6529, 0.5605, 0.3775

Rectangle

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



62.6529, 0.2926, 0.5731



62.6529, 0.1439, 0.3491



62.6529, 0.2848, 0.1791



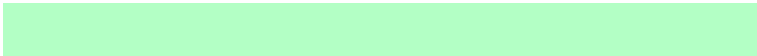
62.6529, 0.5047, 0.2764

Sweetspot

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



62.6555, 0.2926, 0.5731



85.0936, 0.2986, 0.3948



72.5437, 0.3780, 0.5379



17.8734, 0.2968, 0.4058



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.



62.6555, 0.2926, 0.5731



71.8787, 0.2928, 0.5742



65.4741, 0.2497, 0.4189



17.7204, 0.3082, 0.3473



34.3072, 0.2920, 0.5712



2.8694, 0.2851, 0.5463

Inverse Universe

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



21.8818, 0.3963, 0.1958



25.0666, 0.3970, 0.1960



18.9254, 0.5904, 0.3029



15.9608, 0.3176, 0.3114



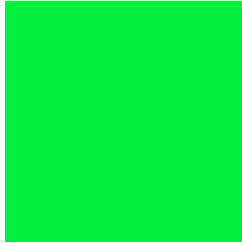
11.9833, 0.3952, 0.1951



1.0126, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 62.6529, 0.2926, 0.5731 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 62.6529, 0.2926, 0.5731 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 62.6529, 0.2926, 0.5731

Background



This preview shows how black text looks on a background with the Yxy color 62.6529, 0.2926, 0.5731.



This preview shows how white text looks on a background with the Yxy color 62.6529, 0.2926, 0.5731.

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

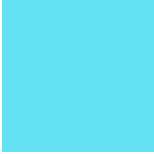
62.6529, 0.2926, 0.5731

Protanopia

61.3706, 0.4311, 0.4756

Deuteranopia

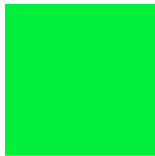
60.9147, 0.4455, 0.4355



Tritanopia

62.3748, 0.2348, 0.3062

Trichromacy



Original Color

62.6529, 0.2926, 0.5731



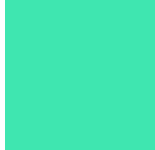
Protanomaly

56.6122, 0.3536, 0.5300



Deuteranomaly

54.8831, 0.3616, 0.5003



Tritanomaly

60.7850, 0.2550, 0.4059

Monochromacy



Original Color

62.6529, 0.2926, 0.5731



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

36.7416, 0.2923, 0.4402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6529, 0.2926, 0.5731 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(1, 240, 60)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 60)  
}
```

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(1, 240, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 60) }
```

Border

The CSS property to change the border of an element to Yxy 62.6529, 0.2926, 0.5731 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(1, 240, 60) }
```

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

```
.border{ border-color:rgb(1, 240, 60) }
```

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

Here you see how a box with a 4 pixel rgb(1, 240, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 60);  
box-shadow:4px 4px 4px 4px rgb(1, 240, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 62.6529, 0.2926, 0.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 240, 60) }
```

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

```
.background{ background-color: rgb(1, 240,  
60) }
```

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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