

Converting Colors

$Y_{xy}(62.7602, 0.2978, 0.5799)$

Have a look what the booklet for
Yxy(62.7602, 0.2978, 0.5799)
contains.

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Color

Yxy(62.8249, 0.2978, 0.5801)

Conversions

Conversions Part 1

Format	Color
Hex	1FF030
RGB	31, 240, 48
RGB Percent	12%, 94%, 19%
CMY	0.8797, 0.0588, 0.8117
CMYK	0.87, 0.00, 0.80, 0.06
HSL	125°, 87%, 53%
HSV	125°, 87%, 94%
XYZ	32.2518, 62.8249, 13.2234
YIQ	155.6210, -62.9320, -104.0200

Conversions

Conversions Part 2

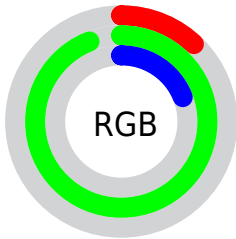
Format	Color
R_{YB}	31, 224, 240
Decimal	2093104
CIE _{Lab}	83.35, -79.49, 72.25
CIE _{LCh}	83, 107.417, 137.731
Yxy	62.8249, 0.2978, 0.5801
Android (android.graphics.Color)	4280283184 (0xFF1FF030)
YUV	155.6210, -53.0572, -109.2926
Hunter-Lab	79.2622, -66.0771, 45.5921

Details

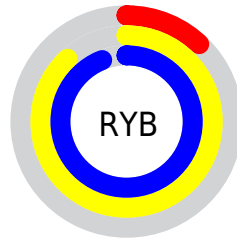
The Yxy color **62.8249, 0.2978, 0.5801** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **24.8019, 0.3398, 0.1696**, and the grayscale version is **33.2898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7107, 0.3092, 0.5105**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.4452, 0.2987, 0.5933**, and if you desaturate by 10%, it is **63.5735, 0.2976, 0.5592**.

Distribution



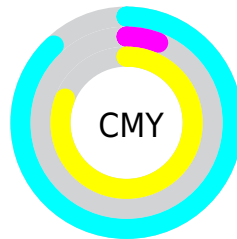
- Red (12%)
- Green (94%)
- Blue (19%)



- Red (12%)
- Yellow (88%)
- Blue (94%)



- Cyan (87%)
- Magenta (0%)
- Yellow (80%)
- Black (6%)





- Cyan (88%)
- Magenta (6%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8249, 0.2978, 0.5801 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 62.8249, 0.2978, 0.5801 by changing the saturation by 10% instead.


 62.8249, 0.2978,
0.5801

 62.8249, 0.2978,
0.5801


434.9337, 0.3158,
0.4519


 45.6996, 0.2900,
0.6105

 108.9169, 0.3069,
0.5342

 32.0088, 0.2784,
0.6475


 138.6523, 0.3095,
0.5166


 21.3682, 0.2605,
0.6928


 173.3598, 0.3115,
0.5017

 13.3934, 0.2350,
0.7551

 213.4239, 0.3129,
0.4889

 7.7000, 0.1893,
0.8107

 259.2290, 0.3140,
0.4778

 3.9036, 0.1169,
0.8831

311.1594, 0.3148,

 1.6198, 0.0000,

0.4680

1.0000

369.5995, 0.3154,
0.4595

■ 0.3709, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8249, 0.2978,
0.5801

■ 62.8249, 0.2978,
0.5801

■ 62.4452, 0.2987,
0.5933


■ 63.5735, 0.2976,
0.5592

■ 62.3776, 0.2988,
0.5957


■ 64.7500, 0.2981,
0.5318

■ 66.4090, 0.2993,
0.5000


■ 68.5956, 0.3012,
0.4662

 71.3491, 0.3035,
0.4326

 74.7056, 0.3060,
0.4008

 78.6978, 0.3085,
0.3717

 83.3563, 0.3110,
0.3458

 88.7096, 0.3134,
0.3230

Harmonies

Analogous

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



62.8249, 0.4115, 0.5495



62.8249, 0.2978, 0.5801



62.8249, 0.1931, 0.4722

Triad

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



62.8249, 0.2978, 0.5801



62.8249, 0.1265, 0.1569



62.8249, 0.5341, 0.2955

Complementary

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



62.8249, 0.2978, 0.5801



24.8019, 0.3398, 0.1696

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.



62.8249, 0.4151, 0.2263



62.8249, 0.2978, 0.5801



62.8249, 0.1790, 0.1510

Square

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



62.8249, 0.2978, 0.5801



62.8249, 0.1100, 0.2015



62.8249, 0.2772, 0.1750



62.8249, 0.5651, 0.3725

Rectangle

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



62.8249, 0.2978, 0.5801



62.8249, 0.1445, 0.3582



62.8249, 0.2772, 0.1750



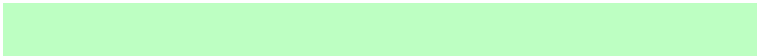
62.8249, 0.5019, 0.2713

Sweetspot

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



62.8275, 0.2978, 0.5801



86.2040, 0.3062, 0.3974



78.6028, 0.4063, 0.5087



18.1413, 0.3054, 0.4081



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.



62.8275, 0.2978, 0.5801



71.5745, 0.2989, 0.5959



64.7937, 0.2635, 0.4593



17.6776, 0.3104, 0.3514



34.1501, 0.2985, 0.5945



2.8482, 0.2948, 0.5813

Inverse Universe

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



24.8019, 0.3398, 0.1696



27.1943, 0.3433, 0.1665



20.8813, 0.4930, 0.2580



16.0075, 0.3151, 0.3076



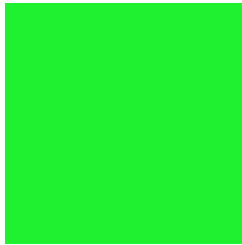
12.9832, 0.3429, 0.1662



1.0867, 0.3396, 0.1645

Previews

White Background



This preview shows how the Yxy color 62.8249, 0.2978, 0.5801 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 62.8249, 0.2978, 0.5801 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 62.8249, 0.2978, 0.5801

Background



This preview shows how black text looks on a background with the Yxy color 62.8249, 0.2978, 0.5801.



This preview shows how white text looks on a background with the Yxy color 62.8249, 0.2978, 0.5801.

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

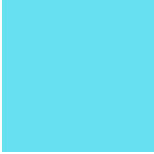
62.8249, 0.2978, 0.5801

Protanopia

61.2780, 0.4345, 0.4806

Deuteranopia

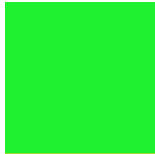
61.3491, 0.4452, 0.4370



Tritanopia

62.6057, 0.2362, 0.3063

Trichromacy



Original Color

62.8249, 0.2978, 0.5801



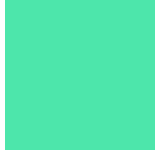
Protanomaly

57.5791, 0.3653, 0.5312



Deuteranomaly

56.4134, 0.3714, 0.5002



Tritanomaly

61.1117, 0.2614, 0.4126

Monochromacy



Original Color

62.8249, 0.2978, 0.5801



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

40.1400, 0.3023, 0.4426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8249, 0.2978, 0.5801 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(31, 240, 48)` looks like.

```
.text, #text, p{  
    color:rgb(31, 240, 48)  
}
```

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(31, 240, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 240, 48) }
```

Border

The CSS property to change the border of an element to Yxy 62.8249, 0.2978, 0.5801 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(31, 240, 48) }
```

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

```
.border{ border-color:rgb(31, 240, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 240, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 240, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 240, 48);  
box-shadow:4px 4px 4px 4px rgb(31, 240,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8249, 0.2978, 0.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 240, 48) }
```

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

```
.background{ background-color: rgb(31, 240,  
48) }
```

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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