

Converting Colors

$Y_{xy}(62.3693, 0.2988, 0.5955)$

Have a look what the booklet for
Yxy(62.3693, 0.2988, 0.5955)
contains.

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Color

Yxy(62.3771, 0.2989, 0.5956)

Conversions

Conversions Part 1

Format	Color
Hex	02F014
RGB	2, 240, 20
RGB Percent	1%, 94%, 8%
CMY	0.9938, 0.0588, 0.9217
CMYK	0.99, 0.00, 0.92, 0.06
HSL	125°, 99%, 47%
HSV	125°, 99%, 94%
XYZ	31.3038, 62.3771, 11.0490
YIQ	143.7580, -71.2280, -118.8760

Conversions

Conversions Part 2

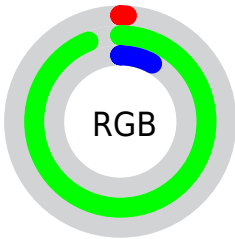
Format	Color
R_{YB}	2, 223, 240
Decimal	192532
CIE _{Lab}	83.11, -81.92, 77.60
CIE _{LCh}	83, 112.838, 136.551
Yxy	62.3771, 0.2989, 0.5956
Android (android.graphics.Color)	4278382612 (0xFF02F014)
YUV	143.7580, -61.0127, -124.3218
Hunter-Lab	78.9792, -67.4643, 46.9909

Details

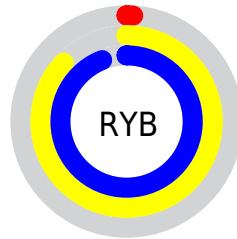
The Yxy color **62.3771, 0.2989, 0.5956** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **23.8125, 0.3415, 0.1657**, and the grayscale version is **28.0027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0592, 0.3122, 0.5274**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.3645, 0.2989, 0.5961**, and if you desaturate by 10%, it is **62.7012, 0.2981, 0.5843**.

Distribution



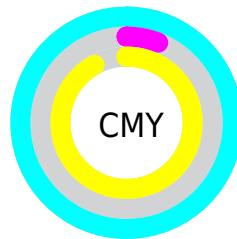
- Red (1%)
- Green (94%)
- Blue (8%)



- Red (1%)
- Yellow (87%)
- Blue (94%)



- Cyan (99%)
- Magenta (0%)
- Yellow (92%)
- Black (6%)





- Cyan (99%)
- Magenta (6%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3771, 0.2989, 0.5956 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 62.3771, 0.2989, 0.5956 by changing the saturation by 10% instead.


 62.3771, 0.2989,
0.5956

 62.3771, 0.2989,
0.5956


433.3053, 0.3183,
0.4601

 45.3375, 0.2902,
0.6270

 108.2704, 0.3089,
0.5475


 31.7233, 0.2771,
0.6649

 137.8928, 0.3118,
0.5290


 21.1503, 0.2572,
0.7100


 172.4783, 0.3139,
0.5131

 13.2339, 0.2289,
0.7711

 212.4112, 0.3154,
0.4995

 7.5898, 0.1796,
0.8204

 258.0760, 0.3165,
0.4877

 3.8336, 0.1013,
0.8987

 309.8570, 0.3173,

 1.5809, 0.0000,

0.4773

1.0000

368.1386, 0.3178,
0.4682

■ 0.3447, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.3771, 0.2989,
0.5956

■ 62.3771, 0.2989,
0.5956

■ 62.3645, 0.2989,
0.5961

■ 62.7012, 0.2981,
0.5843

■ 63.3596, 0.2978,
0.5652

■ 64.4367, 0.2982,
0.5391

■ 65.9868, 0.2994,
0.5080

■ 68.0565, 0.3011,
0.4743

■ 70.6864, 0.3032,
0.4404

■ 73.9132, 0.3056,
0.4079

■ 77.7705, 0.3081,
0.3780

■ 82.2895, 0.3105,
0.3512

Harmonies

Analogous

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



62.3771, 0.4163, 0.5539



62.3771, 0.2989, 0.5956



62.3771, 0.1902, 0.4877

Triad

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



62.3771, 0.2989, 0.5956



62.3771, 0.1189, 0.1513



62.3771, 0.5417, 0.2896

Complementary

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



62.3771, 0.2989, 0.5956



23.8125, 0.3415, 0.1657

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.



62.3771, 0.4140, 0.2194



62.3771, 0.2989, 0.5956



62.3771, 0.1707, 0.1445

Square

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



62.3771, 0.2989, 0.5956



62.3771, 0.1032, 0.1982



62.3771, 0.2701, 0.1679



62.3771, 0.5761, 0.3674

Rectangle

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



62.3771, 0.2989, 0.5956



62.3771, 0.1394, 0.3656



62.3771, 0.2701, 0.1679



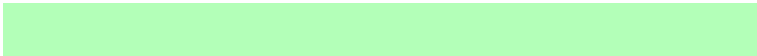
62.3771, 0.5068, 0.2650

Sweetspot

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



62.3797, 0.2989, 0.5956



84.5216, 0.3055, 0.4103



78.1864, 0.4075, 0.5144



17.7423, 0.3044, 0.4238



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.



62.3797, 0.2989, 0.5956



71.5693, 0.2990, 0.5963



64.1264, 0.2665, 0.4791



17.6762, 0.3105, 0.3515



34.1472, 0.2986, 0.5950



2.8475, 0.2952, 0.5825

Inverse Universe

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



23.8125, 0.3415, 0.1657



27.2778, 0.3417, 0.1656



19.5769, 0.5262, 0.2676



16.0092, 0.3150, 0.3075



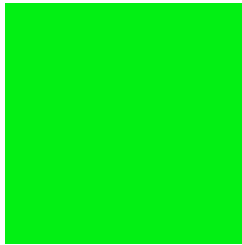
13.0223, 0.3413, 0.1654



1.0895, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 62.3771, 0.2989, 0.5956 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 62.3771, 0.2989, 0.5956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

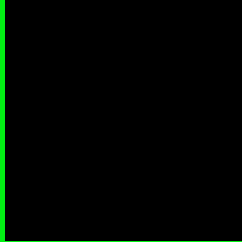
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

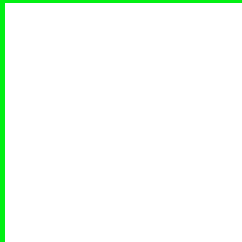
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.3771, 0.2989, 0.5956

Background



This preview shows how black text looks on a background with the Yxy color 62.3771, 0.2989, 0.5956.



This preview shows how white text looks on a background with the Yxy color 62.3771, 0.2989, 0.5956.

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

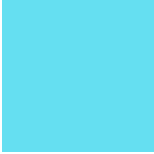
62.3836, 0.2989, 0.5956

Protanopia

61.1315, 0.4400, 0.4888

Deuteranopia

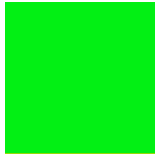
60.7846, 0.4501, 0.4414



Tritanopia

61.8929, 0.2356, 0.3061

Trichromacy



Original Color

62.3836, 0.2989, 0.5956



Protanomaly

56.4540, 0.3627, 0.5486



Deuteranomaly

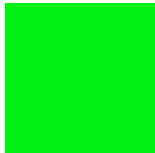
54.6414, 0.3696, 0.5170



Tritanomaly

59.7356, 0.2622, 0.4276

Monochromacy



Original Color

62.3836, 0.2989, 0.5956



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

35.4164, 0.3012, 0.4682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3771, 0.2989, 0.5956 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(2, 240, 20)` looks like.

```
.text, #text, p{  
    color:rgb(2, 240, 20)  
}
```

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(2, 240, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 240, 20) }
```

Border

The CSS property to change the border of an element to Yxy 62.3771, 0.2989, 0.5956 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(2, 240, 20) }
```

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

```
.border{ border-color:rgb(2, 240, 20) }
```

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

Here you see how a box with a 4 pixel rgb(2, 240, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 240, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 240, 20);  
box-shadow:4px 4px 4px 4px rgb(2, 240, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 62.3771, 0.2989, 0.5956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 240, 20) }
```

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

```
.background{ background-color: rgb(2, 240,  
20) }
```

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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