

Converting Colors

$Yxy(72.4185, 0.3056, 0.5895)$

Have a look what the booklet for
Yxy(72.4185, 0.3056, 0.5895)
contains.

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Color

Yxy(72.4267, 0.3057, 0.5896)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 38FF18 |
| RGB | 56, 255, 24 |
| RGB Percent | 22%, 100%, 9% |
| CMY | 0.7807, 0.0000, 0.9060 |
| CMYK | 0.78, 0.00, 0.91, 0.00 |
| HSL | 112°, 100%, 55% |
| HSV | 112°, 91%, 100% |
| XYZ | 37.5523, 72.4267, 12.8614 |
| YIQ | 169.1650, -44.4530, -114.0290 |

Conversions

Conversions Part 2

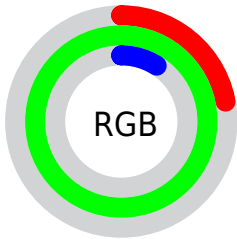
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 24, 255, 223 |
| Decimal | 3735320 |
| CIE _{Lab} | 88.17, -82.13, 81.48 |
| CIE _{LCh} | 88, 115.692, 135.229 |
| Yxy | 72.4267, 0.3057, 0.5896 |
| Android (android.graphics.Color) | 4281925400 (0xFF38FF18) |
| YUV | 169.1650, -71.5663, -99.2457 |
| Hunter-Lab | 85.1039, -70.1682, 50.6125 |

Details

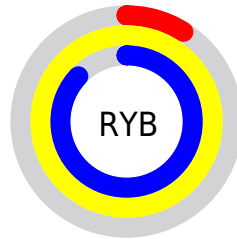
The Yxy color **72.4267, 0.3057, 0.5896** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **23.5645, 0.2889, 0.1395**, and the grayscale version is **40.1267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7392, 0.3215, 0.5171**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8823, 0.3031, 0.5975**, and if you desaturate by 10%, it is **73.3612, 0.3086, 0.5738**.

Distribution



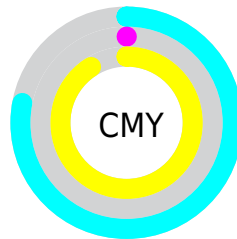
- Red (22%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (87%)



- Cyan (78%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)




- Cyan (78%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4267, 0.3057, 0.5896 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 72.4267, 0.3057, 0.5896 by changing the saturation by 10% instead.


 72.4267, 0.3057,
0.5896


 72.4267, 0.3057,
0.5896


469.0254, 0.3215,
0.4611


 53.5073, 0.2983,
0.6184


 122.6630, 0.3142,
0.5448

 38.2079, 0.2873,
0.6528


 154.7487, 0.3166,
0.5273

 26.1441, 0.2705,
0.6935


 191.9919, 0.3183,
0.5123


 16.9315, 0.2471,
0.7480

 234.7772, 0.3194,
0.4993

 10.1856, 0.2057,
0.7943

 283.4887, 0.3203,
0.4879

 5.5222, 0.1488,
0.8512


 338.5110, 0.3208,

 2.5568, 0.0000,


0.4779


1.0000

400.2285, 0.3212,
0.4690


 0.9050, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 72.4267, 0.3057,
0.5896


 72.4267, 0.3057,
0.5896


 71.8823, 0.3031,
0.5975

 73.3612, 0.3086,
0.5738


 74.7295, 0.3112,
0.5501


 76.5752, 0.3131,
0.5203

 78.9380, 0.3144,
0.4867

 81.8533, 0.3150,
0.4518

 85.3534, 0.3150,
0.4176

 89.4681, 0.3145,
0.3856

 94.2251, 0.3137,
0.3564

 99.6504, 0.3128,
0.3305

Harmonies

Analogous

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



72.4267, 0.4211, 0.5467



72.4267, 0.3057, 0.5896



72.4267, 0.1974, 0.4907

Triad

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



72.4267, 0.3057, 0.5896



72.4267, 0.1206, 0.1555



72.4267, 0.5325, 0.2878

Complementary

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



72.4267, 0.3057, 0.5896



23.5645, 0.2889, 0.1395

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.



72.4267, 0.4053, 0.2188



72.4267, 0.3057, 0.5896



72.4267, 0.1701, 0.1471

Square

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



72.4267, 0.3057, 0.5896



72.4267, 0.1066, 0.2045



72.4267, 0.2659, 0.1690



72.4267, 0.5717, 0.3648

Rectangle

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



72.4267, 0.3057, 0.5896



72.4267, 0.1456, 0.3728



72.4267, 0.2659, 0.1690



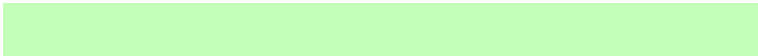
72.4267, 0.4971, 0.2636

Sweetspot

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



72.4245, 0.3057, 0.5896



86.7640, 0.3148, 0.4058



72.6929, 0.4439, 0.4810



18.2846, 0.3150, 0.4170



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.



72.4245, 0.3057, 0.5896



71.8823, 0.3031, 0.5975



72.7300, 0.2829, 0.5319



20.2886, 0.3137, 0.3534



37.5965, 0.3037, 0.5971



3.6956, 0.3094, 0.5925

Inverse Universe

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



23.5645, 0.2889, 0.1395



22.3913, 0.2855, 0.1346



24.9729, 0.4224, 0.2143



18.1655, 0.3116, 0.3054



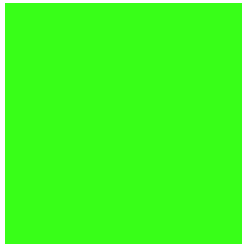
11.7491, 0.2861, 0.1350



1.1775, 0.2903, 0.1373

Previews

White Background



This preview shows how the Yxy color 72.4267, 0.3057, 0.5896 looks on a white background.

Color Contrast Check

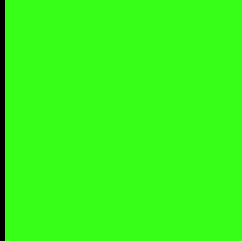
Large Text (above 18pt) WCAG AA × Fail

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 72.4267, 0.3057, 0.5896 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 72.4267, 0.3057, 0.5896

Background



This preview shows how black text looks on a background with the Yxy color 72.4267, 0.3057, 0.5896.



This preview shows how white text looks on a background with the Yxy color 72.4267, 0.3057, 0.5896.

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

72.4267, 0.3057, 0.5896

Protanopia

70.4372, 0.4412, 0.4879

Deuteranopia

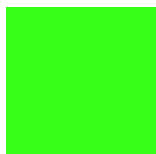
70.4851, 0.3928, 0.3948



Tritanopia

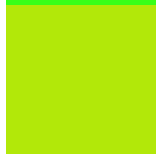
71.4960, 0.2416, 0.3065

Trichromacy



Original Color

72.4267, 0.3057, 0.5896



Protanomaly

67.1979, 0.3775, 0.5367



Deuteranomaly

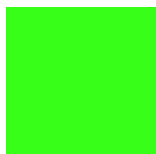
66.5334, 0.3569, 0.4776



Tritanomaly

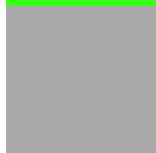
69.6941, 0.2718, 0.4253

Monochromacy



Original Color

72.4267, 0.3057, 0.5896



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.1587, 0.3152, 0.4545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4267, 0.3057, 0.5896 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(56, 255, 24)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 24)  
}
```

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(56, 255, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 24) }
```

Border

The CSS property to change the border of an element to Yxy 72.4267, 0.3057, 0.5896 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(56, 255, 24) }
```

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

```
.border{ border-color:rgb(56, 255, 24) }
```

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

Here you see how a box with a 4 pixel rgb(56, 255, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 24);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4267, 0.3057, 0.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 24) }
```

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

```
.background{ background-color: rgb(56, 255,  
24) }
```

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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