

Converting Colors

$Y_{xy}(72.2281, 0.2977, 0.5765)$

Have a look what the booklet for
Yxy(72.2281, 0.2977, 0.5765)
contains.

Yxy(72.2176, 0.2977, 0.5768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.2176, 0.2977, 0.5768)

Conversions

Conversions Part 1

Format	Color
Hex	26FF38
RGB	38, 255, 56
RGB Percent	15%, 100%, 22%
CMY	0.8509, 0.0000, 0.7805
CMYK	0.85, 0.00, 0.78, 0.00
HSL	125°, 100%, 57%
HSV	125°, 85%, 100%
XYZ	37.2732, 72.2176, 15.7131
YIQ	167.4310, -65.4530, -107.8930

Conversions

Conversions Part 2

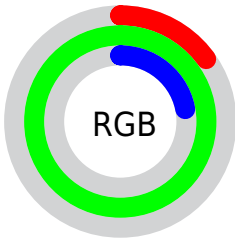
Format	Color
R_{YB}	38, 238, 255
Decimal	2555704
CIE _{Lab}	88.07, -82.61, 74.53
CIE _{LCh}	88, 111.264, 137.944
Yxy	72.2176, 0.2977, 0.5768
Android (android.graphics.Color)	4280745784 (0xFF26FF38)
YUV	167.4310, -54.9355, -113.5110
Hunter-Lab	84.9809, -70.4254, 48.5239

Details

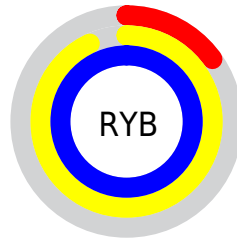
The Yxy color **72.2176, 0.2977, 0.5768** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.7641, 0.3393, 0.1705**, and the grayscale version is **39.1647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3164, 0.3093, 0.5012**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7095, 0.2985, 0.5915**, and if you desaturate by 10%, it is **73.1639, 0.2976, 0.5545**.

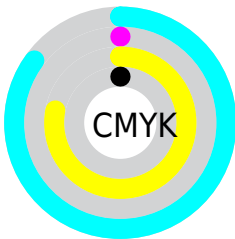
Distribution



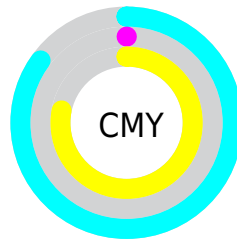
- Red (15%)
- Green (100%)
- Blue (22%)



- Red (15%)
- Yellow (93%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2176, 0.2977, 0.5768 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 72.2176, 0.2977, 0.5768 by changing the saturation by 10% instead.


 72.2176, 0.2977,
0.5768

 72.2176, 0.2977,
0.5768


468.2986, 0.3152,
0.4531


 53.3365, 0.2905,
0.6054

 122.3658, 0.3063,
0.5331


 38.0714, 0.2800,
0.6401


 154.4017, 0.3089,
0.5162


 26.0381, 0.2641,
0.6823


 191.5913, 0.3108,
0.5018

 16.8522, 0.2403,
0.7343

 234.3190, 0.3122,
0.4894

 10.1291, 0.2036,
0.7964

 282.9692, 0.3133,
0.4785

 5.4847, 0.1464,
0.8536

337.9263, 0.3141,

 2.5343, 0.0000,

0.4690

1.0000

399.5746, 0.3148,
0.4606

■ 0.8938, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.2176, 0.2977,
0.5768

■ 72.2176, 0.2977,
0.5768

■ 71.7095, 0.2985,
0.5915

■ 73.1639, 0.2976,
0.5545


■ 71.5746, 0.2989,
0.5959


■ 74.6194, 0.2983,
0.5259

■ 76.6427, 0.2997,
0.4935

■ 79.2844, 0.3016,
0.4595

 82.5896, 0.3040,
0.4261

 86.5990, 0.3065,
0.3946

 91.3501, 0.3090,
0.3661

 96.8777, 0.3115,
0.3407

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



72.2176, 0.4106, 0.5483



72.2176, 0.2977, 0.5768



72.2176, 0.1938, 0.4692

Triad

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



72.2176, 0.2977, 0.5768



72.2176, 0.1281, 0.1581



72.2176, 0.5324, 0.2966

Complementary

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



72.2176, 0.2977, 0.5768



28.7641, 0.3393, 0.1705

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.



72.2176, 0.4151, 0.2277



72.2176, 0.2977, 0.5768



72.2176, 0.1807, 0.1524

Square

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



72.2176, 0.2977, 0.5768



72.2176, 0.1115, 0.2023



72.2176, 0.2786, 0.1765



72.2176, 0.5628, 0.3734

Rectangle

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



72.2176, 0.2977, 0.5768



72.2176, 0.1456, 0.3570



72.2176, 0.2786, 0.1765



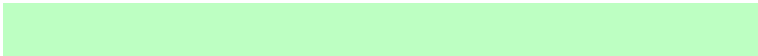
72.2176, 0.5007, 0.2725

Sweetspot

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



72.2178, 0.2977, 0.5768



86.2040, 0.3062, 0.3974



90.2791, 0.4059, 0.5073



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.



72.2178, 0.2977, 0.5768



71.5746, 0.2989, 0.5959



74.5048, 0.2632, 0.4562



20.1926, 0.3104, 0.3515



37.4077, 0.2985, 0.5947



3.6502, 0.2954, 0.5834

Inverse Universe

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



28.7641, 0.3393, 0.1705



27.1941, 0.3433, 0.1665



24.3147, 0.4877, 0.2572



18.2729, 0.3151, 0.3075



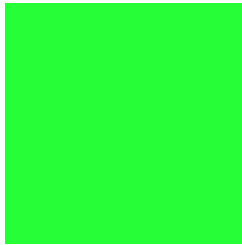
14.2204, 0.3429, 0.1663



1.3919, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 72.2176, 0.2977, 0.5768 looks on a white background.

Color Contrast Check

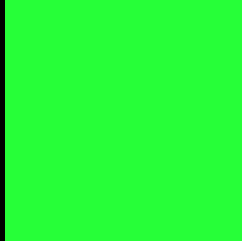
Large Text (above 18pt) WCAG AA × Fail

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 72.2176, 0.2977, 0.5768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

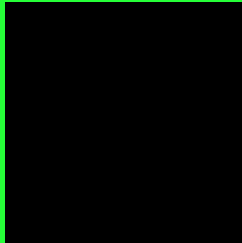
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

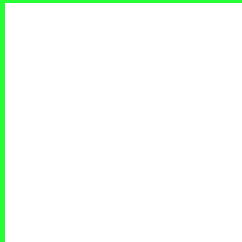
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2176, 0.2977, 0.5768

Background



This preview shows how black text looks on a background with the Yxy color 72.2176, 0.2977, 0.5768.

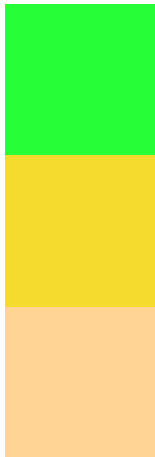


This preview shows how white text looks on a background with the Yxy color 72.2176, 0.2977, 0.5768.

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

72.2176, 0.2977, 0.5768

Protanopia

70.4611, 0.4337, 0.4786

Deuteranopia

70.4851, 0.3928, 0.3948



Tritanopia

71.7103, 0.2399, 0.3076

Trichromacy



Original Color

72.2176, 0.2977, 0.5768



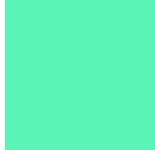
Protanomaly

66.4896, 0.3654, 0.5280



Deuteranomaly

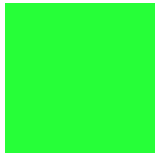
65.9547, 0.3455, 0.4675



Tritanomaly

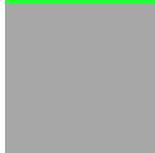
70.2939, 0.2632, 0.4101

Monochromacy



Original Color

72.2176, 0.2977, 0.5768



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.3722, 0.3027, 0.4387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2176, 0.2977, 0.5768 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(38, 255, 56)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 56)  
}
```

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(38, 255, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 56) }
```

Border

The CSS property to change the border of an element to Yxy 72.2176, 0.2977, 0.5768 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(38, 255, 56) }
```

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

```
.border{ border-color:rgb(38, 255, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2176, 0.2977, 0.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 56) }
```

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

```
.background{ background-color: rgb(38, 255,  
56) }
```

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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