

Converting Colors

$Y_{xy}(72.2223, 0.2917, 0.5631)$

Have a look what the booklet for
Yxy(72.2223, 0.2917, 0.5631)
contains.

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Color

Yxy(72.2222, 0.2917, 0.5631)

Conversions

Conversions Part 1

Format	Color
Hex	18FF4B
RGB	24, 255, 75
RGB Percent	9%, 100%, 29%
CMY	0.9044, 0.0000, 0.7059
CMYK	0.90, 0.00, 0.71, 0.00
HSL	133°, 100%, 55%
HSV	133°, 90%, 100%
XYZ	37.4129, 72.2222, 18.6231
YIQ	165.4110, -79.8960, -104.9520

Conversions

Conversions Part 2

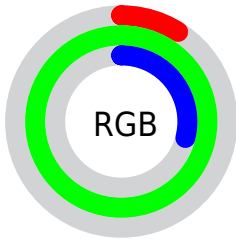
Format	Color
R_{YB}	24, 213, 255
Decimal	1638219
CIE _{Lab}	88.08, -82.17, 68.42
CIE _{LCh}	88, 106.924, 140.215
Yxy	72.2222, 0.2917, 0.5631
Android (android.graphics.Color)	4279828299 (0xFF18FF4B)
YUV	165.4110, -44.5726, -124.0174
Hunter-Lab	84.9836, -70.1391, 46.4959

Details

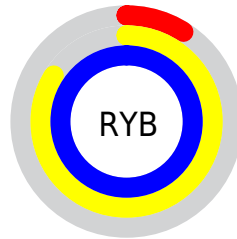
The Yxy color **72.2222, 0.2917, 0.5631** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **26.3057, 0.3792, 0.1899**, and the grayscale version is **38.1372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3510, 0.3002, 0.4836**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8038, 0.2942, 0.5793**, and if you desaturate by 10%, it is **73.0177, 0.2899, 0.5409**.

Distribution



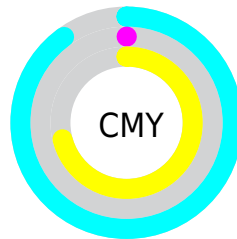
- Red (9%)
- Green (100%)
- Blue (29%)



- Red (9%)
- Yellow (84%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2222, 0.2917, 0.5631 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 72.2222, 0.2917, 0.5631 by changing the saturation by 10% instead.


 72.2222, 0.2917,
0.5631


 72.2222, 0.2917,
0.5631


468.3146, 0.3104,
0.4454


 53.3402, 0.2847,
0.5909


 122.3724, 0.3003,
0.5211


 38.0744, 0.2747,
0.6251


 154.4094, 0.3030,
0.5051

 26.0405, 0.2598,
0.6674


 191.6001, 0.3051,
0.4914

 16.8539, 0.2371,
0.7196

 234.3291, 0.3067,
0.4796

 10.1304, 0.2051,
0.7949

 282.9806, 0.3080,
0.4693

 5.4855, 0.1480,
0.8520


337.9391, 0.3090,

 2.5348, 0.0000,


0.4604


1.0000


399.5890, 0.3098,
0.4524


 0.8940, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.2222, 0.2917,
0.5631


 72.2222, 0.2917,
0.5631


 71.8038, 0.2942,
0.5793

 73.0177, 0.2899,
0.5409


 74.2625, 0.2894,
0.5145


 76.0185, 0.2904,
0.4855

 78.3355, 0.2925,
0.4556

 81.2570, 0.2957,
0.4262

 84.8224, 0.2995,
0.3985

 89.0675, 0.3037,
0.3730

 94.0255, 0.3081,
0.3501

99.7275, 0.3125,
0.3298

Harmonies

Analogous

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



72.2222, 0.4018, 0.5471



72.2222, 0.2917, 0.5631



72.2222, 0.1921, 0.4512

Triad

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



72.2222, 0.2917, 0.5631



72.2222, 0.1356, 0.1615



72.2222, 0.5299, 0.3042

Complementary

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



72.2222, 0.2917, 0.5631



26.3057, 0.3792, 0.1899

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.



72.2222, 0.4217, 0.2356



72.2222, 0.2917, 0.5631



72.2222, 0.1903, 0.1579

Square

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



72.2222, 0.2917, 0.5631



72.2222, 0.1168, 0.2019



72.2222, 0.2892, 0.1837



72.2222, 0.5536, 0.3804

Rectangle

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



72.2222, 0.2917, 0.5631



72.2222, 0.1471, 0.3451



72.2222, 0.2892, 0.1837



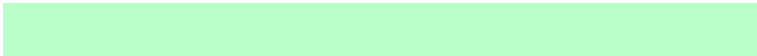
72.2222, 0.5014, 0.2803

Sweetspot

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



72.2252, 0.2917, 0.5631



86.2074, 0.3009, 0.3894



84.5691, 0.3827, 0.5297



18.1583, 0.2995, 0.3984



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.



72.2252, 0.2917, 0.5631



71.8053, 0.2942, 0.5793



75.4198, 0.2501, 0.4155



20.2334, 0.3085, 0.3481



37.5378, 0.2936, 0.5769



3.6703, 0.2880, 0.5567

Inverse Universe

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



26.3057, 0.3792, 0.1899



25.3846, 0.3871, 0.1906



22.6615, 0.5582, 0.2914



18.2281, 0.3172, 0.3106



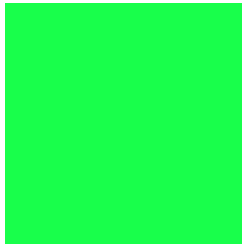
13.2873, 0.3858, 0.1899



1.3098, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 72.2222, 0.2917, 0.5631 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 72.2222, 0.2917, 0.5631 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 72.2222, 0.2917, 0.5631

Background



This preview shows how black text looks on a background with the Yxy color 72.2222, 0.2917, 0.5631.

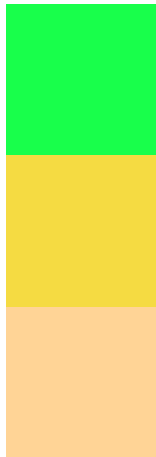


This preview shows how white text looks on a background with the Yxy color 72.2222, 0.2917, 0.5631.

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

72.2222, 0.2917, 0.5631

Protanopia

70.4689, 0.4270, 0.4703

Deuteranopia

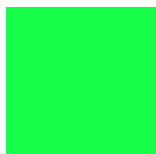
70.5490, 0.3914, 0.3928



Tritanopia

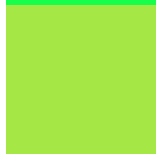
71.6399, 0.2396, 0.3075

Trichromacy



Original Color

72.2222, 0.2917, 0.5631



Protanomaly

66.1422, 0.3562, 0.5184



Deuteranomaly

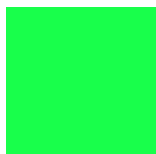
65.5748, 0.3375, 0.4600



Tritanomaly

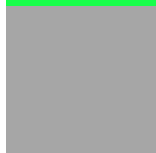
70.3039, 0.2581, 0.4006

Monochromacy



Original Color

72.2222, 0.2917, 0.5631



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.6590, 0.2949, 0.4292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2222, 0.2917, 0.5631 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(24, 255, 75)` looks like.

```
.text, #text, p{  
    color:rgb(24, 255, 75)  
}
```

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(24, 255, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 255, 75) }
```

Border

The CSS property to change the border of an element to Yxy 72.2222, 0.2917, 0.5631 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(24, 255, 75) }
```

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

```
.border{ border-color:rgb(24, 255, 75) }
```

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

Here you see how a box with a 4 pixel rgb(24, 255, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 255, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 255, 75);  
box-shadow:4px 4px 4px 4px rgb(24, 255,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2222, 0.2917, 0.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 255, 75) }
```

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

```
.background{ background-color: rgb(24, 255,  
75) }
```

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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