

Converting Colors

$Y_{xy}(72.2190, 0.2945, 0.5695)$

Have a look what the booklet for
Yxy(72.2190, 0.2945, 0.5695)
contains.

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Color

Yxy(72.2323, 0.2945, 0.5693)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 20FF43 |
| RGB | 32, 255, 67 |
| RGB Percent | 13%, 100%, 26% |
| CMY | 0.8749, 0.0000, 0.7373 |
| CMYK | 0.87, 0.00, 0.74, 0.00 |
| HSL | 129°, 100%, 56% |
| HSV | 129°, 87%, 100% |
| XYZ | 37.3659, 72.2323, 17.2809 |
| YIQ | 166.8910, -72.5600, -105.7440 |

Conversions

Conversions Part 2

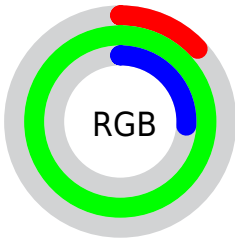
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 32, 225, 255 |
| Decimal | 2162499 |
| CIELab | 88.08, -82.34, 71.16 |
| CIELCh | 88, 108.831, 139.164 |
| Yxy | 72.2323, 0.2945, 0.5693 |
| Android (android.graphics.Color) | 4280352579 (0xFF20FF43) |
| YUV | 166.8910, -49.2463, -118.2994 |
| Hunter-Lab | 84.9896, -70.2538, 47.4373 |

Details

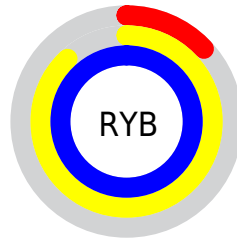
The Yxy color **72.2323, 0.2945, 0.5693** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **27.4490, 0.3592, 0.1804**, and the grayscale version is **38.8413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3863, 0.3046, 0.4913**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7546, 0.2964, 0.5855**, and if you desaturate by 10%, it is **73.1140, 0.2935, 0.5467**.

Distribution



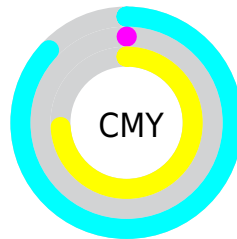
- Red (13%)
- Green (100%)
- Blue (26%)



- Red (13%)
- Yellow (88%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2323, 0.2945, 0.5693 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 72.2323, 0.2945, 0.5693 by changing the saturation by 10% instead.


 72.2323, 0.2945,
0.5693


 72.2323, 0.2945,
0.5693


468.3497, 0.3126,
0.4488


 53.3485, 0.2875,
0.5975

 122.3867, 0.3031,
0.5265


 38.0810, 0.2772,
0.6320


 154.4261, 0.3057,
0.5101

 26.0456, 0.2620,
0.6743


 191.6195, 0.3077,
0.4961

 16.8577, 0.2386,
0.7260

 234.3512, 0.3092,
0.4840

 10.1331, 0.2045,
0.7955

 283.0057, 0.3104,
0.4735

 5.4873, 0.1474,
0.8526


337.9674, 0.3113,


 2.5359, 0.0000,


0.4642


1.0000

399.6206, 0.3121,
0.4561


 0.8946, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 72.2323, 0.2945,
0.5693


 72.2323, 0.2945,
0.5693

 71.7546, 0.2964,
0.5855


 73.1140, 0.2935,
0.5467

 71.6740, 0.2968,
0.5886


 74.4792, 0.2936,
0.5190

 76.3839, 0.2948,
0.4882

 78.8775, 0.2969,
0.4564

 82.0039, 0.2998,
0.4252

 85.8027, 0.3031,
0.3958

 90.3102, 0.3066,
0.3690

 95.5602, 0.3101,
0.3451

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.



72.2323, 0.4058, 0.5477



72.2323, 0.2945, 0.5693



72.2323, 0.1929, 0.4593

Triad

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



72.2323, 0.2945, 0.5693



72.2323, 0.1322, 0.1600



72.2323, 0.5309, 0.3008

Complementary

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



72.2323, 0.2945, 0.5693



27.4490, 0.3592, 0.1804

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.



72.2323, 0.4187, 0.2320



72.2323, 0.2945, 0.5693



72.2323, 0.1859, 0.1555

Square

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



72.2323, 0.2945, 0.5693



72.2323, 0.1144, 0.2022



72.2323, 0.2843, 0.1805



72.2323, 0.5577, 0.3772

Rectangle

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



72.2323, 0.2945, 0.5693



72.2323, 0.1465, 0.3504



72.2323, 0.2843, 0.1805



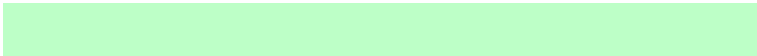
72.2323, 0.5010, 0.2768

Sweetspot

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



72.2305, 0.2945, 0.5693



86.4301, 0.3036, 0.3916



87.0798, 0.3934, 0.5190



18.1933, 0.3024, 0.4014



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.



72.2305, 0.2945, 0.5693



71.6740, 0.2968, 0.5886



74.9961, 0.2560, 0.4336



20.2148, 0.3094, 0.3496



37.4649, 0.2963, 0.5867



3.6606, 0.2915, 0.5692

Inverse Universe

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



27.4490, 0.3592, 0.1804



26.1601, 0.3661, 0.1791



23.4125, 0.5250, 0.2758



18.2484, 0.3162, 0.3092



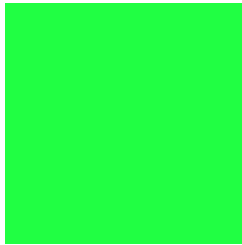
13.6877, 0.3653, 0.1786



1.3453, 0.3594, 0.1753

Previews

White Background



This preview shows how the Yxy color 72.2323, 0.2945, 0.5693 looks on a white background.

Color Contrast Check

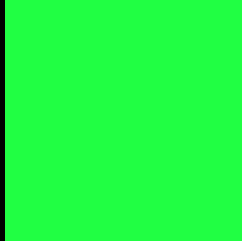
Large Text (above 18pt) WCAG AA × Fail

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 72.2323, 0.2945, 0.5693 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 72.2323, 0.2945, 0.5693

Background



This preview shows how black text looks on a background with the Yxy color 72.2323, 0.2945, 0.5693.

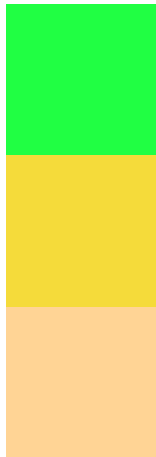


This preview shows how white text looks on a background with the Yxy color 72.2323, 0.2945, 0.5693.

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

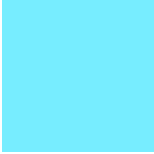
72.2323, 0.2945, 0.5693

Protanopia

70.3810, 0.4297, 0.4744

Deuteranopia

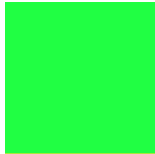
70.5169, 0.3921, 0.3938



Tritanopia

71.7103, 0.2399, 0.3076

Trichromacy



Original Color

72.2323, 0.2945, 0.5693



Protanomaly

66.3750, 0.3609, 0.5225



Deuteranomaly

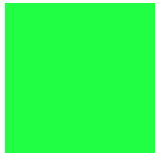
65.8174, 0.3419, 0.4637



Tritanomaly

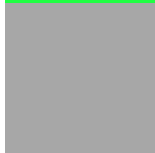
70.3155, 0.2604, 0.4047

Monochromacy



Original Color

72.2323, 0.2945, 0.5693



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.3371, 0.2988, 0.4328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2323, 0.2945, 0.5693 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(32, 255, 67)` looks like.

```
.text, #text, p{  
    color:rgb(32, 255, 67)  
}
```

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(32, 255, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 255, 67) }
```

Border

The CSS property to change the border of an element to Yxy 72.2323, 0.2945, 0.5693 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(32, 255, 67) }
```

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

```
.border{ border-color:rgb(32, 255, 67) }
```

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

Here you see how a box with a 4 pixel rgb(32, 255, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 255, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 255, 67);  
box-shadow:4px 4px 4px 4px rgb(32, 255,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2323, 0.2945, 0.5693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 255, 67) }
```

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

```
.background{ background-color: rgb(32, 255,  
67) }
```

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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