

Converting Colors

Yxy(76.4066, 0.3338, 0.5630)

Have a look what the booklet for
Yxy(76.4066, 0.3338, 0.5630)
contains.

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Color

Yxy(76.3932, 0.3337, 0.5629)

Conversions

Conversions Part 1

Format	Color
Hex	82FF24
RGB	130, 255, 36
RGB Percent	51%, 100%, 14%
CMY	0.4901, 0.0000, 0.8585
CMYK	0.49, 0.00, 0.86, 0.00
HSL	94°, 100%, 57%
HSV	94°, 86%, 100%
XYZ	45.2876, 76.3932, 14.0328
YIQ	192.6590, -4.2010, -94.6090

Conversions

Conversions Part 2

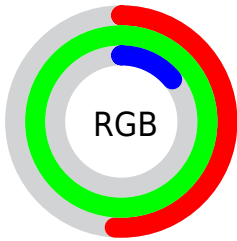
Format	Color
R_{YB}	36, 255, 161
Decimal	8584996
CIE _{Lab}	90.04, -66.55, 81.81
CIE _{LCh}	90, 105.457, 129.128
Yxy	76.3932, 0.3337, 0.5629
Android (android.graphics.Color)	4286775076 (0xFF82FF24)
YUV	192.6590, -77.2329, -54.9519
Hunter-Lab	87.4032, -60.4665, 51.6631

Details

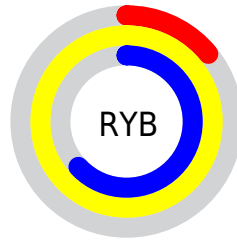
The Yxy color **76.3932, 0.3337, 0.5629** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **16.0697, 0.2296, 0.1105**, and the grayscale version is **53.5909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7464, 0.3529, 0.4922**, and **40.9246, 0.3147, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **75.2196, 0.3285, 0.5754**, and if you desaturate by 10%, it is **77.8448, 0.3371, 0.5442**.

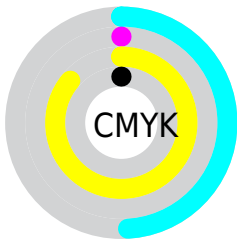
Distribution



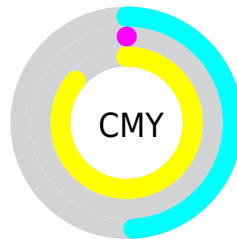
- Red (51%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (63%)



- Cyan (49%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3932, 0.3337, 0.5629 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 76.3932, 0.3337, 0.5629 by changing the saturation by 10% instead.


 76.3932, 0.3337,
0.5629

 76.3932, 0.3337,
0.5629


482.6926, 0.3352,
0.4510


 56.7550, 0.3299,
0.5872


 128.2826, 0.3369,
0.5246

 40.8086, 0.3235,
0.6160


 161.3025, 0.3374,
0.5094


 28.1695, 0.3126,
0.6498


 199.5518, 0.3374,
0.4963

 18.4535, 0.2960,
0.6923

 243.4149, 0.3372,
0.4849

 11.2761, 0.2655,
0.7345

 293.2761, 0.3368,
0.4748

 6.2528, 0.2182,
0.7818


349.5199, 0.3363,


 2.9994, 0.1390,


0.4660


0.8610


412.5306, 0.3357,
0.4581


 1.1314, 0.0000,
1.0000

 0.0046, 0.0000,
1.0000

 76.3932, 0.3337,
0.5629

 76.3932, 0.3337,
0.5629

 75.2196, 0.3285,
0.5754


 77.8448, 0.3371,
0.5442

 74.7982, 0.3262,
0.5792


 79.5943, 0.3385,
0.5200


 81.6664, 0.3378,
0.4917

 84.0807, 0.3354,
0.4612

 86.8550, 0.3317,
0.4300

 90.0056, 0.3269,
0.3994

 93.5479, 0.3216,
0.3704

 97.4962, 0.3160,
0.3436

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.



76.3932, 0.4388, 0.5163



76.3932, 0.3337, 0.5629



76.3932, 0.2288, 0.4988

Triad

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



76.3932, 0.3337, 0.5629



76.3932, 0.1288, 0.1753



76.3932, 0.4920, 0.2797

Complementary

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



76.3932, 0.3337, 0.5629



16.0697, 0.2296, 0.1105

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.



76.3932, 0.3700, 0.2167



76.3932, 0.3337, 0.5629



76.3932, 0.1689, 0.1595

Square

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



76.3932, 0.3337, 0.5629



76.3932, 0.1226, 0.2331



76.3932, 0.2494, 0.1745



76.3932, 0.5489, 0.3524

Rectangle

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



76.3932, 0.3337, 0.5629



76.3932, 0.1736, 0.4011



76.3932, 0.2494, 0.1745



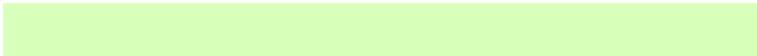
76.3932, 0.4555, 0.2571

Sweetspot

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



76.3954, 0.3337, 0.5629



89.9558, 0.3270, 0.3998



46.5762, 0.4989, 0.4291



19.0118, 0.3287, 0.4103



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.



76.3954, 0.3337, 0.5629



74.7982, 0.3262, 0.5792



72.1327, 0.2984, 0.5804



20.5492, 0.3181, 0.3531



39.1676, 0.3273, 0.5783



3.8766, 0.3361, 0.5713

Inverse Universe

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



16.0697, 0.2296, 0.1105



13.2922, 0.2150, 0.0958



28.8420, 0.3357, 0.1679



17.8896, 0.3069, 0.3051



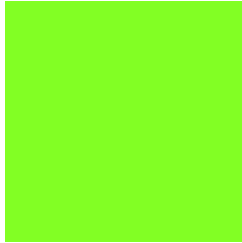
7.0354, 0.2166, 0.0967



0.7495, 0.2280, 0.1030

Previews

White Background



This preview shows how the Yxy color 76.3932, 0.3337, 0.5629 looks on a white background.

Color Contrast Check

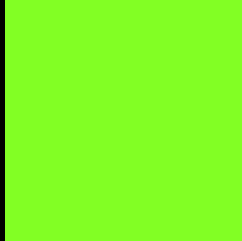
Large Text (above 18pt) WCAG AA × Fail

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 76.3932, 0.3337, 0.5629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

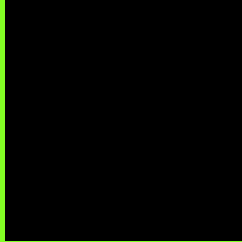
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

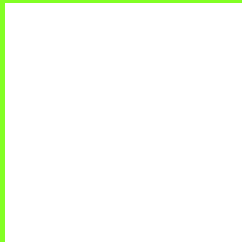
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3932, 0.3337, 0.5629

Background



This preview shows how black text looks on a background with the Yxy color 76.3932, 0.3337, 0.5629.



This preview shows how white text looks on a background with the Yxy color 76.3932, 0.3337, 0.5629.

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

76.3932, 0.3337, 0.5629

Protanopia

74.8122, 0.4382, 0.4847

Deuteranopia

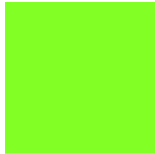
74.8253, 0.3743, 0.3794



Tritanopia

75.8954, 0.2606, 0.3087

Trichromacy



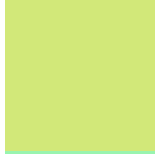
Original Color

76.3932, 0.3337, 0.5629



Protanomaly

73.4945, 0.3956, 0.5169



Deuteranomaly

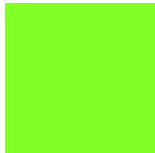
72.7953, 0.3664, 0.4529



Tritanomaly

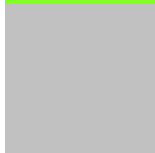
74.5688, 0.2958, 0.4144

Monochromacy



Original Color

76.3932, 0.3337, 0.5629



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.4354, 0.3318, 0.4326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3932, 0.3337, 0.5629 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(130, 255, 36)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 36)  
}
```

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(130, 255, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 36) }
```

Border

The CSS property to change the border of an element to Yxy 76.3932, 0.3337, 0.5629 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(130, 255, 36) }
```

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

```
.border{ border-color:rgb(130, 255, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 36);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3932, 0.3337, 0.5629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 36) }
```

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

```
.background{ background-color: rgb(130,  
255, 36) }
```

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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