

Converting Colors

$Y_{xy}(72.3865, 0.2990, 0.5756)$

Have a look what the booklet for
Yxy(72.3865, 0.2990, 0.5756)
contains.

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Color

Yxy(72.3864, 0.2991, 0.5758)

Conversions

Conversions Part 1

Format	Color
Hex	2EFF38
RGB	46, 255, 56
RGB Percent	18%, 100%, 22%
CMY	0.8194, 0.0000, 0.7805
CMYK	0.82, 0.00, 0.78, 0.00
HSL	123°, 100%, 59%
HSV	123°, 82%, 100%
XYZ	37.6012, 72.3864, 15.7269
YIQ	169.8230, -60.6850, -106.1970

Conversions

Conversions Part 2

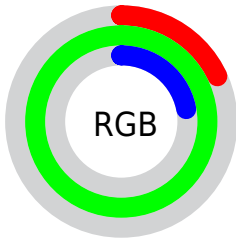
Format	Color
RYB	46, 245, 255
Decimal	3079992
CIELab	88.15, -81.89, 74.64
CIELCh	88, 110.803, 137.652
Yxy	72.3864, 0.2991, 0.5758
Android (android.graphics.Color)	4281270072 (0xFF2EFF38)
YUV	169.8230, -56.1147, -108.5928
Hunter-Lab	85.0802, -70.0023, 48.5965

Details

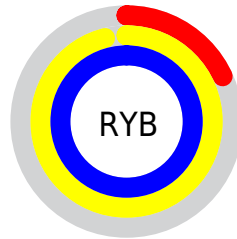
The Yxy color **72.3864, 0.2991, 0.5758** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **29.8141, 0.3305, 0.1678**, and the grayscale version is **40.4181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6296, 0.3114, 0.5001**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7770, 0.2992, 0.5914**, and if you desaturate by 10%, it is **73.4632, 0.2996, 0.5522**.

Distribution



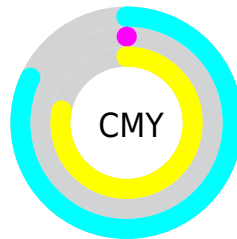
- Red (18%)
- Green (100%)
- Blue (22%)



- Red (18%)
- Yellow (96%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)



- Cyan (82%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3864, 0.2991, 0.5758 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 72.3864, 0.2991, 0.5758 by changing the saturation by 10% instead.


 72.3864, 0.2991,
0.5758


 72.3864, 0.2991,
0.5758


468.8854, 0.3160,
0.4528

 53.4744, 0.2921,
0.6042


 122.6057, 0.3075,
0.5324


 38.1816, 0.2817,
0.6387


 154.6818, 0.3100,
0.5156


 26.1237, 0.2661,
0.6805


 191.9148, 0.3118,
0.5013

 16.9162, 0.2426,
0.7320

 234.6889, 0.3132,
0.4889

 10.1747, 0.2064,
0.7936

 283.3886, 0.3142,
0.4781

 5.5150, 0.1495,
0.8505


338.3984, 0.3149,

 2.5525, 0.0000,

0.4686

1.0000

400.1025, 0.3155,
0.4602


 0.9028, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 72.3864, 0.2991,
0.5758


 72.3864, 0.2991,
0.5758


 71.7770, 0.2992,
0.5914


 73.4632, 0.2996,
0.5522


 71.5468, 0.2994,
0.5980


 75.0743, 0.3007,
0.5223


 77.2779, 0.3022,
0.4885


 80.1238, 0.3042,
0.4535

 83.6570, 0.3062,
0.4194

 87.9180, 0.3084,
0.3876

 92.9444, 0.3104,
0.3589

 98.7713, 0.3124,
0.3335

 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.



72.3864, 0.4115, 0.5468



72.3864, 0.2991, 0.5758



72.3864, 0.1953, 0.4700

Triad

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



72.3864, 0.2991, 0.5758



72.3864, 0.1284, 0.1590



72.3864, 0.5306, 0.2962

Complementary

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



72.3864, 0.2991, 0.5758



29.8141, 0.3305, 0.1678

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.



72.3864, 0.4133, 0.2275



72.3864, 0.2991, 0.5758



72.3864, 0.1805, 0.1529

Square

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



72.3864, 0.2991, 0.5758



72.3864, 0.1121, 0.2036



72.3864, 0.2776, 0.1767



72.3864, 0.5620, 0.3727

Rectangle

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



72.3864, 0.2991, 0.5758



72.3864, 0.1469, 0.3585



72.3864, 0.2776, 0.1767



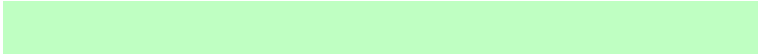
72.3864, 0.4987, 0.2722

Sweetspot

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



72.3871, 0.2991, 0.5758



86.5364, 0.3077, 0.3970



91.6804, 0.4097, 0.5010



18.2010, 0.3070, 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.



72.3871, 0.2991, 0.5758



71.5933, 0.2994, 0.5967



74.5528, 0.2658, 0.4607



20.1821, 0.3109, 0.3524



37.3907, 0.2992, 0.5971



3.6453, 0.2973, 0.5903

Inverse Universe

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



29.8141, 0.3305, 0.1678



27.8493, 0.3331, 0.1614



25.2173, 0.4674, 0.2496



18.2846, 0.3145, 0.3067



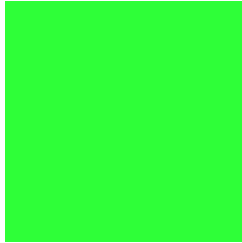
14.4929, 0.3332, 0.1609



1.4155, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 72.3864, 0.2991, 0.5758 looks on a white background.

Color Contrast Check

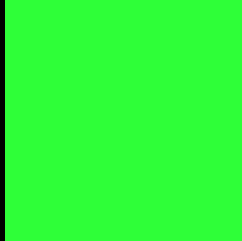
Large Text (above 18pt) WCAG AA × Fail

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 72.3864, 0.2991, 0.5758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

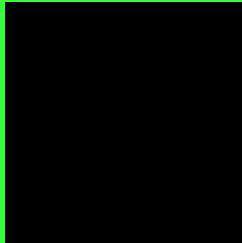
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3864, 0.2991, 0.5758

Background



This preview shows how black text looks on a background with the Yxy color 72.3864, 0.2991, 0.5758.

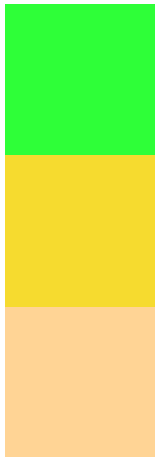


This preview shows how white text looks on a background with the Yxy color 72.3864, 0.2991, 0.5758.

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

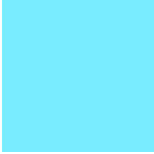
72.3864, 0.2991, 0.5758

Protanopia

70.4611, 0.4337, 0.4786

Deuteranopia

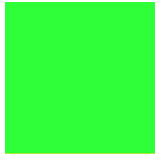
70.5169, 0.3921, 0.3938



Tritanopia

71.8533, 0.2407, 0.3076

Trichromacy



Original Color

72.3864, 0.2991, 0.5758



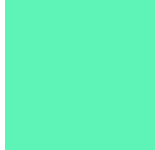
Protanomaly

66.8278, 0.3676, 0.5264



Deuteranomaly

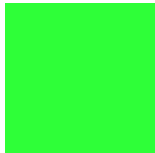
66.3083, 0.3477, 0.4665



Tritanomaly

70.4999, 0.2646, 0.4098

Monochromacy



Original Color

72.3864, 0.2991, 0.5758



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.7182, 0.3049, 0.4368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3864, 0.2991, 0.5758 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(46, 255, 56)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 255, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 56) }
```

Border

The CSS property to change the border of an element to Yxy 72.3864, 0.2991, 0.5758 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(46, 255, 56) }
```

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

```
.border{ border-color:rgb(46, 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(46, 255, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3864, 0.2991, 0.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 56) }
```

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

```
.background{ background-color: rgb(46, 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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