

Converting Colors

$Yxy(72.2884, 0.3057, 0.5931)$

Have a look what the booklet for
Yxy(72.2884, 0.3057, 0.5931)
contains.

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Color

Yxy(72.2766, 0.3056, 0.5931)

Conversions

Conversions Part 1

Format	Color
Hex	34FF0C
RGB	52, 255, 12
RGB Percent	20%, 100%, 5%
CMY	0.7964, 0.0000, 0.9517
CMYK	0.80, 0.00, 0.95, 0.00
HSL	110°, 100%, 52%
HSV	110°, 95%, 100%
XYZ	37.2412, 72.2766, 12.3447
YIQ	166.6010, -42.9850, -118.6090

Conversions

Conversions Part 2

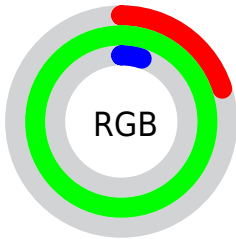
Format	Color
RYB	12, 255, 215
Decimal	3473164
CIELab	88.10, -82.84, 82.69
CIELCh	88, 117.045, 135.053
Yxy	72.2766, 0.3056, 0.5931
Android (android.graphics.Color)	4281663244 (0xFF34FF0C)
YUV	166.6010, -76.2183, -100.5051
Hunter-Lab	85.0156, -70.5853, 50.9018

Details

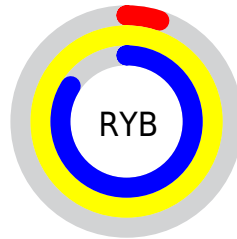
The Yxy color **72.2766, 0.3056, 0.5931** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **21.9953, 0.2812, 0.1335**, and the grayscale version is **38.8392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4971, 0.3218, 0.5216**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.0045, 0.3041, 0.5967**, and if you desaturate by 10%, it is **73.0856, 0.3089, 0.5808**.

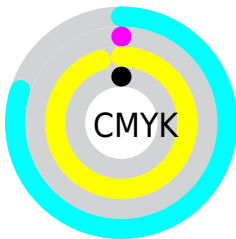
Distribution



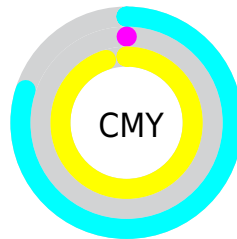
- Red (20%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2766, 0.3056, 0.5931 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 72.2766, 0.3056, 0.5931 by changing the saturation by 10% instead.


 72.2766, 0.3056,
0.5931


 72.2766, 0.3056,
0.5931


468.5038, 0.3219,
0.4630

 53.3847, 0.2980,
0.6221


 122.4497, 0.3143,
0.5479


 38.1099, 0.2866,
0.6567


 154.4996, 0.3168,
0.5302


 26.0680, 0.2693,
0.6974

 191.7044, 0.3186,
0.5149

 16.8745, 0.2458,
0.7534

 234.4483, 0.3198,
0.5017

 10.1451, 0.2030,
0.7970

 283.1158, 0.3206,
0.4902

 5.4953, 0.1458,
0.8542

 338.0913, 0.3212,

 2.5407, 0.0000,

0.4800

1.0000

399.7592, 0.3216,
0.4710

■ 0.8969, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.2766, 0.3056,
0.5931

■ 72.2766, 0.3056,
0.5931


■ 72.0045, 0.3041,
0.5967

■ 73.0856, 0.3089,
0.5808

■ 74.2940, 0.3119,
0.5605

■ 75.9469, 0.3142,
0.5333


■ 78.0837, 0.3157,
0.5013

 80.7393, 0.3164,
0.4670

 83.9453, 0.3164,
0.4326

 87.7307, 0.3158,
0.3997

 92.1224, 0.3147,
0.3693

 97.1457, 0.3134,
0.3419

Harmonies

Analogous

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



72.2766, 0.4219, 0.5478



72.2766, 0.3056, 0.5931



72.2766, 0.1965, 0.4940

Triad

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



72.2766, 0.3056, 0.5931



72.2766, 0.1189, 0.1542



72.2766, 0.5345, 0.2866

Complementary

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



72.2766, 0.3056, 0.5931



21.9953, 0.2812, 0.1335

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.



72.2766, 0.4054, 0.2173



72.2766, 0.3056, 0.5931



72.2766, 0.1684, 0.1456

Square

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



72.2766, 0.3056, 0.5931



72.2766, 0.1050, 0.2034



72.2766, 0.2645, 0.1674



72.2766, 0.5743, 0.3638

Rectangle

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



72.2766, 0.3056, 0.5931



72.2766, 0.1442, 0.3741



72.2766, 0.2645, 0.1674



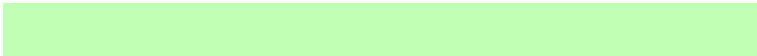
72.2766, 0.4985, 0.2623

Sweetspot

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



72.2755, 0.3056, 0.5931



86.2118, 0.3160, 0.4120



69.6601, 0.4501, 0.4787



18.1125, 0.3163, 0.4262



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.



72.2755, 0.3056, 0.5931



72.0045, 0.3041, 0.5967



72.3944, 0.2857, 0.5457



20.3105, 0.3140, 0.3534



37.6655, 0.3048, 0.5962



3.7058, 0.3110, 0.5912

Inverse Universe

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



21.9953, 0.2812, 0.1335



21.4217, 0.2791, 0.1311



24.5905, 0.4231, 0.2122



18.1414, 0.3112, 0.3054



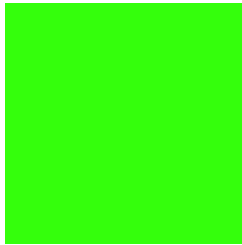
11.2491, 0.2798, 0.1315



1.1335, 0.2848, 0.1342

Previews

White Background



This preview shows how the Yxy color 72.2766, 0.3056, 0.5931 looks on a white background.

Color Contrast Check

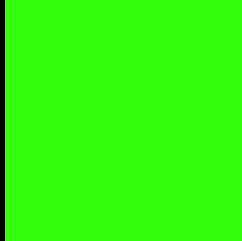
Large Text (above 18pt) WCAG AA × Fail

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 72.2766, 0.3056, 0.5931 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 72.2766, 0.3056, 0.5931

Background



This preview shows how black text looks on a background with the Yxy color 72.2766, 0.3056, 0.5931.



This preview shows how white text looks on a background with the Yxy color 72.2766, 0.3056, 0.5931.

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

72.2766, 0.3056, 0.5931

Protanopia

70.4372, 0.4412, 0.4879

Deuteranopia

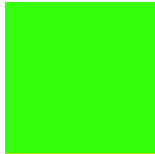
70.4536, 0.3935, 0.3958



Tritanopia

71.3485, 0.2408, 0.3064

Trichromacy



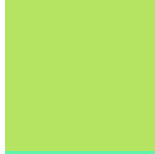
Original Color

72.2766, 0.3056, 0.5931



Protanomaly

66.9521, 0.3763, 0.5386



Deuteranomaly

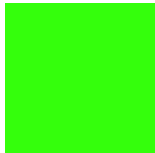
66.1924, 0.3578, 0.4833



Tritanomaly

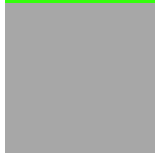
69.4326, 0.2730, 0.4312

Monochromacy



Original Color

72.2766, 0.3056, 0.5931



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.3545, 0.3162, 0.4616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2766, 0.3056, 0.5931 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(52, 255, 12)` looks like.

```
.text, #text, p{  
    color:rgb(52, 255, 12)  
}
```

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(52, 255, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 255, 12) }
```

Border

The CSS property to change the border of an element to Yxy 72.2766, 0.3056, 0.5931 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(52, 255, 12) }
```

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

```
.border{ border-color:rgb(52, 255, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 255, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 255, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 255, 12);  
box-shadow:4px 4px 4px 4px rgb(52, 255,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2766, 0.3056, 0.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 255, 12) }
```

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

```
.background{ background-color: rgb(52, 255,  
12) }
```

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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