

Converting Colors

$Y_{xy}(72.0913, 0.3032, 0.5924)$

Have a look what the booklet for
Yxy(72.0913, 0.3032, 0.5924)
contains.

Yxy(72.0915, 0.3032, 0.5923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.0915, 0.3032, 0.5923)

Conversions

Conversions Part 1

Format	Color
Hex	2BFF16
RGB	43, 255, 22
RGB Percent	17%, 100%, 9%
CMY	0.8308, 0.0000, 0.9144
CMYK	0.83, 0.00, 0.91, 0.00
HSL	115°, 100%, 54%
HSV	115°, 91%, 100%
XYZ	36.9038, 72.0915, 12.7192
YIQ	165.0500, -51.5590, -117.4070

Conversions

Conversions Part 2

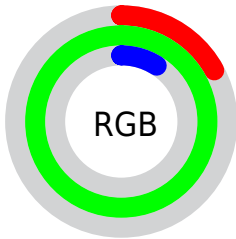
Format	Color
RYB	22, 255, 234
Decimal	2883350
CIELab	88.01, -83.56, 81.56
CIELCh	88, 116.772, 135.694
Yxy	72.0915, 0.3032, 0.5923
Android (android.graphics.Color)	4281073430 (0xFF2BFF16)
YUV	165.0500, -70.5237, -107.0379
Hunter-Lab	84.9067, -71.0035, 50.5530

Details

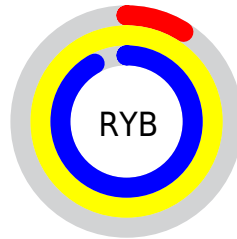
The Yxy color **72.0915, 0.3032, 0.5923** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **25.2269, 0.2996, 0.1449**, and the grayscale version is **38.0270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1477, 0.3181, 0.5203**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7058, 0.3016, 0.5987**, and if you desaturate by 10%, it is **72.8968, 0.3054, 0.5776**.

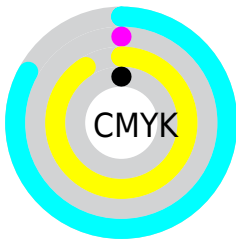
Distribution



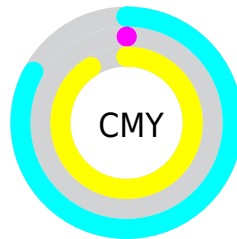
- Red (17%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (92%)



- Cyan (83%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (83%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0915, 0.3032, 0.5923 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 72.0915, 0.3032, 0.5923 by changing the saturation by 10% instead.


 72.0915, 0.3032,
0.5923


 72.0915, 0.3032,
0.5923


467.8600, 0.3203,
0.4621


 53.2334, 0.2955,
0.6215


 122.1866, 0.3122,
0.5469


 37.9891, 0.2840,
0.6564


 154.1924, 0.3147,
0.5292

 25.9743, 0.2666,
0.6977

 191.3496, 0.3166,
0.5140

 16.8044, 0.2427,
0.7535

 234.0426, 0.3179,
0.5008

 10.0951, 0.2003,
0.7997

 282.6557, 0.3188,
0.4892

 5.4621, 0.1427,
0.8573


 337.5734, 0.3195,

 2.5208, 0.0000,


0.4791


1.0000


399.1800, 0.3200,
0.4701


 0.8870, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.0915, 0.3032,
0.5923


 72.0915, 0.3032,
0.5923

 71.7058, 0.3016,
0.5987


 72.8968, 0.3054,
0.5776


 74.1462, 0.3076,
0.5546


 75.8952, 0.3095,
0.5250


 78.1896, 0.3110,
0.4912

 81.0696, 0.3121,
0.4558

 84.5721, 0.3127,
0.4210

 88.7305, 0.3130,
0.3884

 93.5760, 0.3130,
0.3588

 99.1379, 0.3128,
0.3325

Harmonies

Analogous

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



72.0915, 0.4195, 0.5495



72.0915, 0.3032, 0.5923



72.0915, 0.1946, 0.4901

Triad

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



72.0915, 0.3032, 0.5923



72.0915, 0.1197, 0.1538



72.0915, 0.5362, 0.2883

Complementary

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



72.0915, 0.3032, 0.5923



25.2269, 0.2996, 0.1449

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.



72.0915, 0.4085, 0.2188



72.0915, 0.3032, 0.5923



72.0915, 0.1701, 0.1459

Square

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



72.0915, 0.3032, 0.5923



72.0915, 0.1051, 0.2020



72.0915, 0.2672, 0.1684



72.0915, 0.5738, 0.3656

Rectangle

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



72.0915, 0.3032, 0.5923



72.0915, 0.1431, 0.3703



72.0915, 0.2672, 0.1684



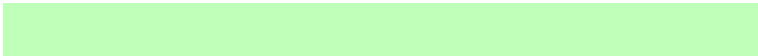
72.0915, 0.5008, 0.2639

Sweetspot

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



72.0938, 0.3032, 0.5923



86.3359, 0.3129, 0.4062



78.8519, 0.4350, 0.4889



18.1867, 0.3127, 0.4176



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.



72.0938, 0.3032, 0.5923



71.7058, 0.3016, 0.5987



72.9286, 0.2792, 0.5195



20.2475, 0.3129, 0.3535



37.4944, 0.3020, 0.5984



3.6763, 0.3063, 0.5950

Inverse Universe

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



25.2269, 0.2996, 0.1449



24.3246, 0.2976, 0.1413



24.4262, 0.4418, 0.2247



18.2110, 0.3123, 0.3055



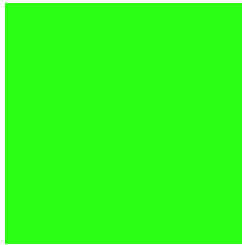
12.7449, 0.2980, 0.1415



1.2646, 0.3007, 0.1430

Previews

White Background



This preview shows how the Yxy color 72.0915, 0.3032, 0.5923 looks on a white background.

Color Contrast Check

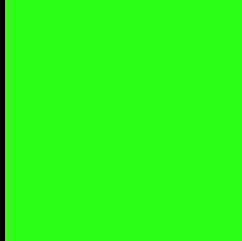
Large Text (above 18pt) WCAG AA × Fail

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 72.0915, 0.3032, 0.5923 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 72.0915, 0.3032, 0.5923

Background



This preview shows how black text looks on a background with the Yxy color 72.0915, 0.3032, 0.5923.



This preview shows how white text looks on a background with the Yxy color 72.0915, 0.3032, 0.5923.

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

72.0915, 0.3032, 0.5923

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

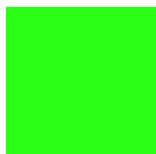
70.4223, 0.3942, 0.3968



Tritanopia

71.1328, 0.2397, 0.3064

Trichromacy



Original Color

72.0915, 0.3032, 0.5923



Protanomaly

66.5014, 0.3731, 0.5404



Deuteranomaly

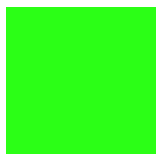
65.8914, 0.3541, 0.4816



Tritanomaly

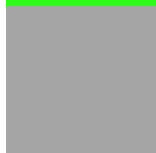
69.2276, 0.2694, 0.4275

Monochromacy



Original Color

72.0915, 0.3032, 0.5923



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6454, 0.3122, 0.4587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0915, 0.3032, 0.5923 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(43, 255, 22)` looks like.

```
.text, #text, p{  
    color:rgb(43, 255, 22)  
}
```

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(43, 255, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 255, 22) }
```

Border

The CSS property to change the border of an element to Yxy 72.0915, 0.3032, 0.5923 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(43, 255, 22) }
```

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

```
.border{ border-color:rgb(43, 255, 22) }
```

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

Here you see how a box with a 4 pixel rgb(43, 255, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 255, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 255, 22);  
box-shadow:4px 4px 4px 4px rgb(43, 255,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0915, 0.3032, 0.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 255, 22) }
```

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

```
.background{ background-color: rgb(43, 255,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor