

Converting Colors

Yxy(68.4556, 0.3021, 0.5807)

Have a look what the booklet for
Yxy(68.4556, 0.3021, 0.5807)
contains.

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Color

Yxy(68.6446, 0.3021, 0.5807)

Conversions

Conversions Part 1

Format	Color
Hex	33F92D
RGB	51, 249, 45
RGB Percent	20%, 98%, 18%
CMY	0.8004, 0.0235, 0.8233
CMYK	0.80, 0.00, 0.82, 0.02
HSL	118°, 94%, 58%
HSV	118°, 82%, 98%
XYZ	35.7113, 68.6446, 13.8542
YIQ	166.5420, -52.5240, -105.4200

Conversions

Conversions Part 2

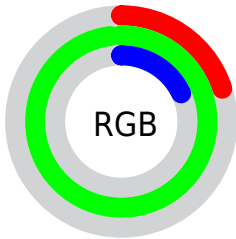
Format	Color
RYB	45, 249, 243
Decimal	3406125
CIELab	86.33, -80.27, 75.83
CIELCh	86, 110.429, 136.629
Yxy	68.6446, 0.3021, 0.5807
Android (android.graphics.Color)	4281596205 (0xFF33F92D)
YUV	166.5420, -59.9202, -101.3303
Hunter-Lab	82.8520, -68.0532, 48.0822

Details

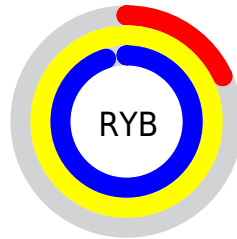
The Yxy color **68.6446, 0.3021, 0.5807** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **27.8045, 0.3147, 0.1589**, and the grayscale version is **38.7143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5297, 0.3151, 0.5085**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.0366, 0.3009, 0.5943**, and if you desaturate by 10%, it is **69.6973, 0.3035, 0.5583**.

Distribution



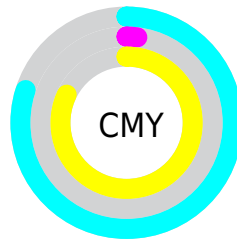
- Red (20%)
- Green (98%)
- Blue (18%)



- Red (18%)
- Yellow (98%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (82%)
- Black (2%)





- Cyan (80%)
- Magenta (2%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6446, 0.3021, 0.5807 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 68.6446, 0.3021, 0.5807 by changing the saturation by 10% instead.

 68.6446, 0.3021,
0.5807


 68.6446, 0.3021,
0.5807


455.7765, 0.3183,
0.4546


 50.4223, 0.2949,
0.6098


 117.2738, 0.3105,
0.5362


 35.7491, 0.2840,
0.6450


 148.4495, 0.3129,
0.5189


 24.2405, 0.2675,
0.6875


 184.7119, 0.3147,
0.5042

 15.5121, 0.2435,
0.7430

 226.4452, 0.3159,
0.4915

 9.1796, 0.2025,
0.7975

 274.0340, 0.3168,
0.4805

 4.8585, 0.1430,
0.8570

327.8625, 0.3175,

 2.1645, 0.0000,

0.4708

1.0000

388.3152, 0.3180,
0.4622

0.7005, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.6446, 0.3021,
0.5807

68.6446, 0.3021,
0.5807

68.0366, 0.3009,
0.5943


69.6973, 0.3035,
0.5583


67.8026, 0.3004,
0.5997


71.2479, 0.3051,
0.5288

73.3513, 0.3067,
0.4946


76.0530, 0.3083,
0.4587

 79.3936, 0.3096,
0.4234

 83.4104, 0.3108,
0.3902

 88.1376, 0.3118,
0.3602

 93.6074, 0.3126,
0.3337

 96.2365, 0.3130,
0.3233

Harmonies

Analogous

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



68.6446, 0.4155, 0.5464



68.6446, 0.3021, 0.5807



68.6446, 0.1966, 0.4779

Triad

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



68.6446, 0.3021, 0.5807



68.6446, 0.1256, 0.1580



68.6446, 0.5307, 0.2929

Complementary

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



68.6446, 0.3021, 0.5807



27.8045, 0.3147, 0.1589

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.



68.6446, 0.4097, 0.2241



68.6446, 0.3021, 0.5807



68.6446, 0.1765, 0.1509

Square

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



68.6446, 0.3021, 0.5807



68.6446, 0.1103, 0.2043



68.6446, 0.2729, 0.1738



68.6446, 0.5653, 0.3695

Rectangle

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



68.6446, 0.3021, 0.5807



68.6446, 0.1468, 0.3642



68.6446, 0.2729, 0.1738



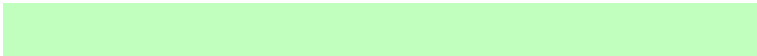
68.6446, 0.4975, 0.2688

Sweetspot

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



68.6475, 0.3021, 0.5807



86.6402, 0.3105, 0.4003



83.9603, 0.4191, 0.4932



18.2248, 0.3101, 0.4119



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.



68.6475, 0.3021, 0.5807



71.6112, 0.3005, 0.5986



70.2158, 0.2715, 0.4800



19.3329, 0.3120, 0.3535



36.3012, 0.3006, 0.5995



3.3702, 0.3021, 0.5984

Inverse Universe

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



27.8045, 0.3147, 0.1589



27.2576, 0.3138, 0.1507



24.3493, 0.4451, 0.2365



17.4977, 0.3133, 0.3056



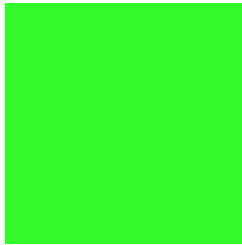
13.7643, 0.3138, 0.1502



1.2826, 0.3147, 0.1507

Previews

White Background



This preview shows how the Yxy color 68.6446, 0.3021, 0.5807 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 68.6446, 0.3021, 0.5807 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 68.6446, 0.3021, 0.5807

Background



This preview shows how black text looks on a background with the Yxy color 68.6446, 0.3021, 0.5807.



This preview shows how white text looks on a background with the Yxy color 68.6446, 0.3021, 0.5807.

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

68.6446, 0.3021, 0.5807

Protanopia

66.9213, 0.4364, 0.4816

Deuteranopia

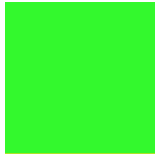
66.9349, 0.4106, 0.4093



Tritanopia

68.1890, 0.2381, 0.3059

Trichromacy



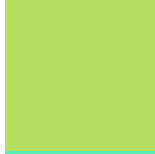
Original Color

68.6446, 0.3021, 0.5807



Protanomaly

63.8553, 0.3719, 0.5295



Deuteranomaly

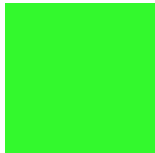
62.9294, 0.3607, 0.4796



Tritanomaly

66.4573, 0.2652, 0.4134

Monochromacy



Original Color

68.6446, 0.3021, 0.5807



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.7225, 0.3089, 0.4413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6446, 0.3021, 0.5807 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(51, 249, 45)` looks like.

```
.text, #text, p{  
    color:rgb(51, 249, 45)  
}
```

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(51, 249, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 249, 45) }
```

Border

The CSS property to change the border of an element to Yxy 68.6446, 0.3021, 0.5807 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(51, 249, 45) }
```

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

```
.border{ border-color:rgb(51, 249, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 249, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 249, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 249, 45);  
box-shadow:4px 4px 4px 4px rgb(51, 249,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6446, 0.3021, 0.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 249, 45) }
```

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

```
.background{ background-color: rgb(51, 249,  
45) }
```

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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