

Converting Colors

Yxy(56.9102, 0.3017, 0.5920)

Have a look what the booklet for
Yxy(56.9102, 0.3017, 0.5920)
contains.

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Color

Yxy(56.9586, 0.3018, 0.5920)

Conversions

Conversions Part 1

Format	Color
Hex	20E616
RGB	32, 230, 22
RGB Percent	13%, 90%, 9%
CMY	0.8744, 0.0980, 0.9140
CMYK	0.86, 0.00, 0.90, 0.10
HSL	117°, 83%, 49%
HSV	117°, 90%, 90%
XYZ	29.0373, 56.9586, 10.2179
YIQ	147.0860, -51.2400, -106.6640

Conversions

Conversions Part 2

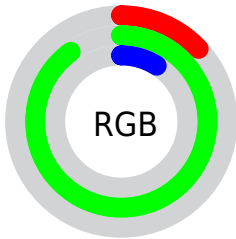
Format	Color
R_{YB}	22, 230, 220
Decimal	2156054
CIE _{Lab}	80.16, -77.72, 74.90
CIE _{LCh}	80, 107.934, 136.057
Yxy	56.9586, 0.3018, 0.5920
Android (android.graphics.Color)	4280346134 (0xFF20E616)
YUV	147.0860, -61.6674, -100.9304
Hunter-Lab	75.4709, -63.3965, 44.8024

Details

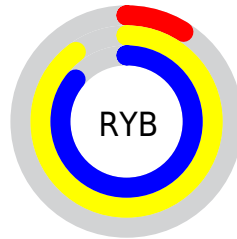
The Yxy color **56.9586, 0.3018, 0.5920** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.4829, 0.3097, 0.1510**, and the grayscale version is **29.4929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3212, 0.3145, 0.5272**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.6681, 0.3008, 0.5994**, and if you desaturate by 10%, it is **57.5666, 0.3033, 0.5766**.

Distribution



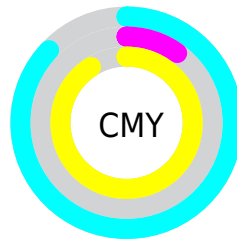
- Red (13%)
- Green (90%)
- Blue (9%)



- Red (9%)
- Yellow (90%)
- Blue (86%)



- Cyan (86%)
- Magenta (0%)
- Yellow (90%)
- Black (10%)




- Cyan (87%)
- Magenta (10%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9586, 0.3018, 0.5920 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 56.9586, 0.3018, 0.5920 by changing the saturation by 10% instead.

 56.9586, 0.3018,
0.5920


 56.9586, 0.3018,
0.5920


 413.2942, 0.3196,
0.4565


 40.9720, 0.2932,
0.6240


 100.4048, 0.3114,
0.5434

 28.2972, 0.2801,
0.6627


 128.6331, 0.3141,
0.5249


 18.5498, 0.2596,
0.7095


 161.7109, 0.3160,
0.5090

 11.3454, 0.2293,
0.7707

 200.0224, 0.3173,
0.4955

 6.2997, 0.1770,
0.8230

 243.9521, 0.3182,
0.4837

 3.0282, 0.0688,
0.9312

 293.8844, 0.3188,

 1.1464, 0.0000,

0.4735

1.0000

350.2036, 0.3193,
0.4645

■ 0.0173, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9586, 0.3018,
0.5920

■ 56.9586, 0.3018,
0.5920


■ 56.6681, 0.3008,
0.5994


■ 57.5666, 0.3033,
0.5766


■ 58.5404, 0.3050,
0.5528

■ 59.9288, 0.3067,
0.5224


■ 61.7709, 0.3083,
0.4881

 64.1017, 0.3097,
0.4525

 66.9525, 0.3108,
0.4177

 70.3522, 0.3116,
0.3853

 74.3274, 0.3122,
0.3560

 78.9030, 0.3127,
0.3301

Harmonies

Analogous

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



56.9586, 0.4181, 0.5505



56.9586, 0.3018, 0.5920



56.9586, 0.1935, 0.4880

Triad

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



56.9586, 0.3018, 0.5920



56.9586, 0.1201, 0.1535



56.9586, 0.5372, 0.2892

Complementary

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



56.9586, 0.3018, 0.5920



21.4829, 0.3097, 0.1510

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.



56.9586, 0.4103, 0.2196



56.9586, 0.3018, 0.5920



56.9586, 0.1710, 0.1460

Square

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



56.9586, 0.3018, 0.5920



56.9586, 0.1051, 0.2011



56.9586, 0.2687, 0.1688



56.9586, 0.5736, 0.3666

Rectangle

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



56.9586, 0.3018, 0.5920



56.9586, 0.1424, 0.3682



56.9586, 0.2687, 0.1688



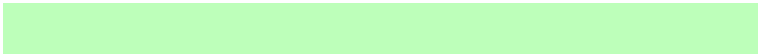
56.9586, 0.5023, 0.2648

Sweetspot

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



56.9610, 0.3018, 0.5920



85.9539, 0.3111, 0.4067



67.8577, 0.4256, 0.4957



18.0996, 0.3107, 0.4181



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.



56.9610, 0.3018, 0.5920



71.6010, 0.3007, 0.5994



58.0161, 0.2745, 0.5015



16.1224, 0.3123, 0.3532



32.0961, 0.3011, 0.5991



2.3836, 0.3041, 0.5967

Inverse Universe

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



21.4829, 0.3097, 0.1510



26.2049, 0.3085, 0.1473



19.1825, 0.4575, 0.2347



14.5777, 0.3130, 0.3058



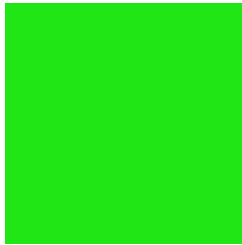
11.7610, 0.3088, 0.1475



0.8801, 0.3107, 0.1485

Previews

White Background



This preview shows how the Yxy color 56.9586, 0.3018, 0.5920 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 56.9586, 0.3018, 0.5920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

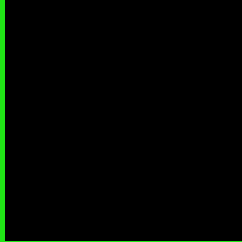
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9586, 0.3018, 0.5920

Background



This preview shows how black text looks on a background with the Yxy color 56.9586, 0.3018, 0.5920.



This preview shows how white text looks on a background with the Yxy color 56.9586, 0.3018, 0.5920.

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

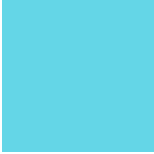
56.9586, 0.3018, 0.5920

Protanopia

55.4621, 0.4409, 0.4881

Deuteranopia

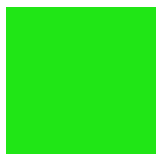
55.5718, 0.4599, 0.4502



Tritanopia

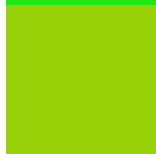
56.5720, 0.2370, 0.3066

Trichromacy



Original Color

56.9586, 0.3018, 0.5920



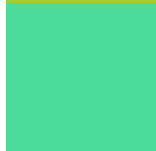
Protanomaly

52.3908, 0.3716, 0.5411



Deuteranomaly

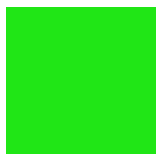
51.3141, 0.3831, 0.5155



Tritanomaly

55.0488, 0.2662, 0.4258

Monochromacy



Original Color

56.9586, 0.3018, 0.5920



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

35.4068, 0.3090, 0.4569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9586, 0.3018, 0.5920 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(32, 230, 22)` looks like.

```
.text, #text, p{  
    color:rgb(32, 230, 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(32, 230, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 230, 22) }
```

Border

The CSS property to change the border of an element to Yxy 56.9586, 0.3018, 0.5920 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(32, 230, 22) }
```

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

```
.border{ border-color:rgb(32, 230, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 230, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 230, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 230, 22);  
box-shadow:4px 4px 4px 4px rgb(32, 230,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9586, 0.3018, 0.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 230, 22) }
```

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

```
.background{ background-color: rgb(32, 230,  
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](#).

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