

Converting Colors

$Y_{xy}(57.0211, 0.3020, 0.5904)$

Have a look what the booklet for
Yxy(57.0211, 0.3020, 0.5904)
contains.

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Color

Yxy(57.0211, 0.3020, 0.5904)

Conversions

Conversions Part 1

Format	Color
Hex	23E619
RGB	35, 230, 25
RGB Percent	14%, 90%, 10%
CMY	0.8625, 0.0980, 0.9017
CMYK	0.85, 0.00, 0.89, 0.10
HSL	117°, 80%, 50%
HSV	117°, 89%, 90%
XYZ	29.1673, 57.0211, 10.3921
YIQ	148.3250, -50.4150, -105.0950

Conversions

Conversions Part 2

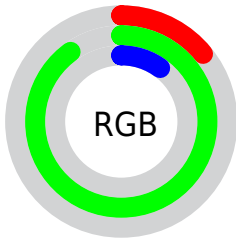
Format	Color
R _Y B	25, 230, 220
Decimal	2352665
CIE Lab	80.19, -77.37, 74.45
CIE LCh	80, 107.368, 136.101
Yxy	57.0211, 0.3020, 0.5904
Android (android.graphics.Color)	4280542745 (0xFF23E619)
YUV	148.3250, -60.7992, -99.3860
Hunter-Lab	75.5123, -63.1994, 44.6991

Details

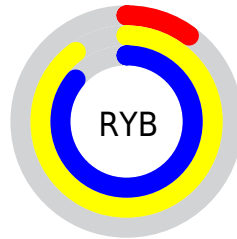
The Yxy color **57.0211, 0.3020, 0.5904** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.6312, 0.3099, 0.1518**, and the grayscale version is **30.0437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4112, 0.3146, 0.5259**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.6861, 0.3008, 0.5988**, and if you desaturate by 10%, it is **57.6767, 0.3036, 0.5738**.

Distribution



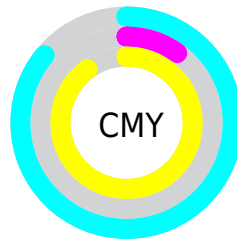
- Red (14%)
- Green (90%)
- Blue (10%)



- Red (10%)
- Yellow (90%)
- Blue (86%)



- Cyan (85%)
- Magenta (0%)
- Yellow (89%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0211, 0.3020, 0.5904 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 57.0211, 0.3020, 0.5904 by changing the saturation by 10% instead.

 57.0211, 0.3020,
0.5904

 57.0211, 0.3020,
0.5904

 413.5284, 0.3195,
0.4557


 41.0222, 0.2935,
0.6223

 100.4960, 0.3115,
0.5421


 28.3364, 0.2806,
0.6609


 128.7407, 0.3141,
0.5236


 18.5794, 0.2603,
0.7075


 161.8362, 0.3159,
0.5079

 11.3668, 0.2305,
0.7695

 200.1668, 0.3172,
0.4944

 6.3141, 0.1785,
0.8215

 244.1169, 0.3181,
0.4828

 3.0370, 0.0721,
0.9279

 294.0710, 0.3188,

 1.1511, 0.0000,

0.4726

1.0000

350.4133, 0.3192,
0.4636

■ 0.0212, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0211, 0.3020,
0.5904

■ 57.0211, 0.3020,
0.5904

■ 56.6861, 0.3008,
0.5988


■ 57.6767, 0.3036,
0.5738

■ 56.6672, 0.3008,
0.5994


■ 58.7049, 0.3053,
0.5490


■ 60.1534, 0.3070,
0.5179


■ 62.0606, 0.3085,
0.4832

 64.4609, 0.3098,
0.4476

 67.3852, 0.3109,
0.4131

 70.8621, 0.3117,
0.3811

 74.9179, 0.3123,
0.3523

 79.5773, 0.3127,
0.3268

Harmonies

Analogous

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



57.0211, 0.4179, 0.5498



57.0211, 0.3020, 0.5904



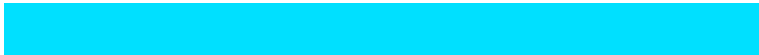
57.0211, 0.1941, 0.4867

Triad

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



57.0211, 0.3020, 0.5904



57.0211, 0.1209, 0.1542



57.0211, 0.5362, 0.2897

Complementary

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



57.0211, 0.3020, 0.5904



21.6312, 0.3099, 0.1518

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.



57.0211, 0.4100, 0.2201



57.0211, 0.3020, 0.5904



57.0211, 0.1717, 0.1467

Square

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



57.0211, 0.3020, 0.5904



57.0211, 0.1059, 0.2017



57.0211, 0.2692, 0.1695



57.0211, 0.5724, 0.3669

Rectangle

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



57.0211, 0.3020, 0.5904



57.0211, 0.1431, 0.3679



57.0211, 0.2692, 0.1695



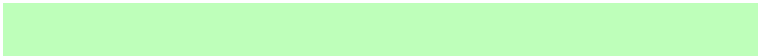
57.0211, 0.5014, 0.2653

Sweetspot

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



57.0235, 0.3020, 0.5904



85.9547, 0.3111, 0.4067



67.9520, 0.4250, 0.4951



18.0998, 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.



57.0235, 0.3020, 0.5904



71.6012, 0.3007, 0.5994



58.0936, 0.2741, 0.4988



16.1224, 0.3123, 0.3532



32.0962, 0.3011, 0.5991



2.3837, 0.3041, 0.5967

Inverse Universe

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



21.6312, 0.3099, 0.1518



26.2008, 0.3085, 0.1473



19.3506, 0.4545, 0.2342



14.5776, 0.3130, 0.3058



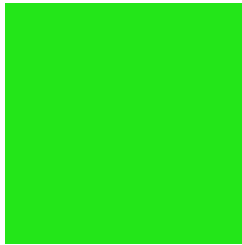
11.7592, 0.3088, 0.1475



0.8800, 0.3107, 0.1485

Previews

White Background



This preview shows how the Yxy color 57.0211, 0.3020, 0.5904 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 57.0211, 0.3020, 0.5904 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 57.0211, 0.3020, 0.5904

Background



This preview shows how black text looks on a background with the Yxy color 57.0211, 0.3020, 0.5904.



This preview shows how white text looks on a background with the Yxy color 57.0211, 0.3020, 0.5904.

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

57.0211, 0.3020, 0.5904

Protanopia

55.4840, 0.4399, 0.4868

Deuteranopia

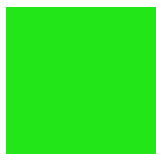
55.5906, 0.4591, 0.4492



Tritanopia

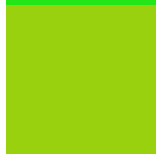
56.6294, 0.2374, 0.3066

Trichromacy



Original Color

57.0211, 0.3020, 0.5904



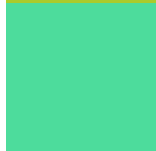
Protanomaly

52.5054, 0.3718, 0.5391



Deuteranomaly

51.4398, 0.3834, 0.5138



Tritanomaly

55.1645, 0.2664, 0.4240

Monochromacy



Original Color

57.0211, 0.3020, 0.5904



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

35.9459, 0.3098, 0.4558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0211, 0.3020, 0.5904 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(35, 230, 25)` looks like.

```
.text, #text, p{  
    color:rgb(35, 230, 25)  
}
```

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(35, 230, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 230, 25) }
```

Border

The CSS property to change the border of an element to Yxy 57.0211, 0.3020, 0.5904 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(35, 230, 25) }
```

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

```
.border{ border-color:rgb(35, 230, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 230, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 230, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 230, 25);  
box-shadow:4px 4px 4px 4px rgb(35, 230,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0211, 0.3020, 0.5904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 230, 25) }
```

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

```
.background{ background-color: rgb(35, 230,  
25) }
```

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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