

Converting Colors

$Y_{xy}(59.9851, 0.3004, 0.5751)$

Have a look what the booklet for
Yxy(59.9851, 0.3004, 0.5751)
contains.

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Color

Yxy(60.2513, 0.3005, 0.5755)

Conversions

Conversions Part 1

Format	Color
Hex	2FEB32
RGB	47, 235, 50
RGB Percent	18%, 92%, 20%
CMY	0.8151, 0.0784, 0.8041
CMYK	0.80, 0.00, 0.79, 0.08
HSL	121°, 82%, 55%
HSV	121°, 80%, 92%
XYZ	31.4605, 60.2513, 12.9820
YIQ	157.6980, -52.6630, -97.3910

Conversions

Conversions Part 2

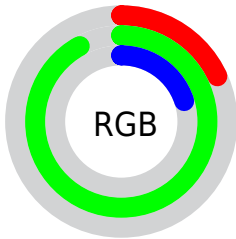
Format	Color
RYB	47, 232, 235
Decimal	3140402
CIELab	81.97, -76.43, 70.48
CIELCh	82, 103.973, 137.319
Yxy	60.2513, 0.3005, 0.5755
Android (android.graphics.Color)	4281330482 (0xFF2FEB32)
YUV	157.6980, -53.0951, -97.0821
Hunter-Lab	77.6217, -63.4910, 44.4191

Details

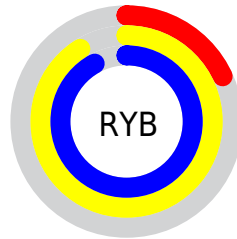
The Yxy color **60.2513, 0.3005, 0.5755** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.5452, 0.3234, 0.1656**, and the grayscale version is **34.3296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1797, 0.3117, 0.5078**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.6842, 0.3000, 0.5915**, and if you desaturate by 10%, it is **61.2248, 0.3015, 0.5512**.

Distribution



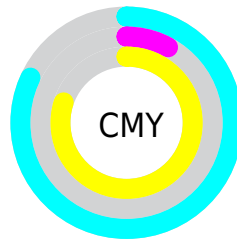
- Red (18%)
- Green (92%)
- Blue (20%)



- Red (18%)
- Yellow (91%)
- Blue (92%)



- Cyan (80%)
- Magenta (0%)
- Yellow (79%)
- Black (8%)





- Cyan (82%)
- Magenta (8%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2513, 0.3005, 0.5755 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 60.2513, 0.3005, 0.5755 by changing the saturation by 10% instead.

 60.2513, 0.3005,
0.5755


 60.2513, 0.3005,
0.5755


425.5234, 0.3169,
0.4489

 43.6212, 0.2931,
0.6058


 105.1941, 0.3090,
0.5300


 30.3728, 0.2818,
0.6429


 134.2757, 0.3115,
0.5126

 20.1218, 0.2642,
0.6884


 168.2765, 0.3132,
0.4979

 12.4836, 0.2393,
0.7528

 207.5809, 0.3145,
0.4852

 7.0739, 0.1923,
0.8077

 252.5735, 0.3154,
0.4743

 3.5084, 0.1129,
0.8871

303.6385, 0.3161,

 1.4025, 0.0000,

0.4647

1.0000

361.1603, 0.3166,
0.4563

■ 0.2186, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.2513, 0.3005,
0.5755

■ 60.2513, 0.3005,
0.5755

■ 59.6842, 0.3000,
0.5915

■ 61.2248, 0.3015,
0.5512


■ 59.4250, 0.2998,
0.5993

■ 62.6529, 0.3028,
0.5203


■ 59.4237, 0.2998,
0.5993


■ 64.5848, 0.3044,
0.4857

■ 67.0616, 0.3062,
0.4499

 70.1202, 0.3080,
0.4153

 73.7943, 0.3097,
0.3831

 78.1149, 0.3113,
0.3543

 83.1109, 0.3127,
0.3288

 87.8960, 0.3136,
0.3097

Harmonies

Analogous

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



60.2513, 0.4127, 0.5456



60.2513, 0.3005, 0.5755



60.2513, 0.1965, 0.4714

Triad

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



60.2513, 0.3005, 0.5755



60.2513, 0.1283, 0.1595



60.2513, 0.5291, 0.2955

Complementary

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



60.2513, 0.3005, 0.5755



25.5452, 0.3234, 0.1656

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.



60.2513, 0.4115, 0.2270



60.2513, 0.3005, 0.5755



60.2513, 0.1799, 0.1531

Square

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



60.2513, 0.3005, 0.5755



60.2513, 0.1125, 0.2047



60.2513, 0.2764, 0.1765



60.2513, 0.5616, 0.3719

Rectangle

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



60.2513, 0.3005, 0.5755



60.2513, 0.1478, 0.3602



60.2513, 0.2764, 0.1765



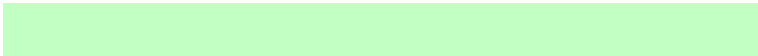
60.2513, 0.4971, 0.2715

Sweetspot

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



60.2538, 0.3005, 0.5755



86.8899, 0.3090, 0.3962



77.2844, 0.4134, 0.4954



18.2649, 0.3084, 0.4078



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.



60.2538, 0.3005, 0.5755



71.6171, 0.2999, 0.5972



61.9493, 0.2685, 0.4659



16.8658, 0.3114, 0.3530



33.0740, 0.2997, 0.5990



2.5984, 0.2990, 0.5964

Inverse Universe

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



25.5452, 0.3234, 0.1656



28.4692, 0.3245, 0.1571



21.6326, 0.4504, 0.2430



15.3097, 0.3140, 0.3061



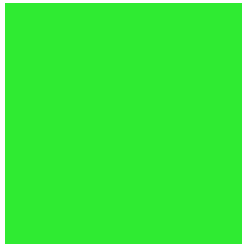
13.0586, 0.3246, 0.1562



1.0267, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 60.2513, 0.3005, 0.5755 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 60.2513, 0.3005, 0.5755 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 60.2513, 0.3005, 0.5755

Background



This preview shows how black text looks on a background with the Yxy color 60.2513, 0.3005, 0.5755.



This preview shows how white text looks on a background with the Yxy color 60.2513, 0.3005, 0.5755.

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

60.2513, 0.3005, 0.5755

Protanopia

58.7391, 0.4338, 0.4788

Deuteranopia

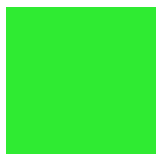
58.8369, 0.4522, 0.4426



Tritanopia

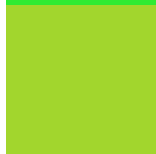
59.8416, 0.2380, 0.3059

Trichromacy



Original Color

60.2513, 0.3005, 0.5755



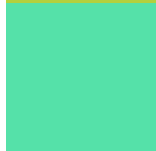
Protanomaly

55.9640, 0.3698, 0.5250



Deuteranomaly

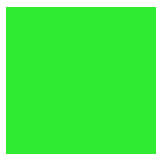
54.9356, 0.3806, 0.5001



Tritanomaly

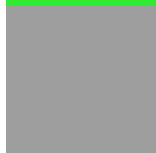
58.6463, 0.2639, 0.4091

Monochromacy



Original Color

60.2513, 0.3005, 0.5755



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.3013, 0.3069, 0.4362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2513, 0.3005, 0.5755 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(47, 235, 50)` looks like.

```
.text, #text, p{  
    color:rgb(47, 235, 50)  
}
```

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(47, 235, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 235, 50) }
```

Border

The CSS property to change the border of an element to Yxy 60.2513, 0.3005, 0.5755 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(47, 235, 50) }
```

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

```
.border{ border-color:rgb(47, 235, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 235, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 235, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 235, 50);  
box-shadow:4px 4px 4px 4px rgb(47, 235,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2513, 0.3005, 0.5755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 235, 50) }
```

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

```
.background{ background-color: rgb(47, 235,  
50) }
```

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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