

Converting Colors

$Yxy(62.8532, 0.3020, 0.5579)$

Have a look what the booklet for
Yxy(62.8532, 0.3020, 0.5579)
contains.

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Color

$\text{Yxy}(62.7954, 0.3020, 0.5577)$

Conversions

Conversions Part 1

Format	Color
Hex	44EE44
RGB	68, 238, 68
RGB Percent	27%, 93%, 27%
CMY	0.7331, 0.0667, 0.7333
CMYK	0.71, 0.00, 0.71, 0.07
HSL	120°, 83%, 60%
HSV	120°, 71%, 93%
XYZ	34.0043, 62.7954, 15.7974
YIQ	167.7900, -46.7500, -88.9100

Conversions

Conversions Part 2

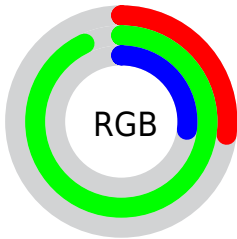
Format	Color
RYB	68, 238, 238
Decimal	4517444
CIELab	83.33, -73.22, 66.17
CIELCh	83, 98.689, 137.892
Yxy	62.7954, 0.3020, 0.5577
Android (android.graphics.Color)	4282707524 (0xFF44EE44)
YUV	167.7900, -49.1965, -87.5158
Hunter-Lab	79.2435, -62.0798, 43.6509

Details

The Yxy color **62.7954, 0.3020, 0.5577** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **28.4782, 0.3200, 0.1728**, and the grayscale version is **39.3206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4896, 0.3122, 0.4890**, and **32.6425, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.8744, 0.3009, 0.5804**, and if you desaturate by 10%, it is **64.1864, 0.3034, 0.5278**.

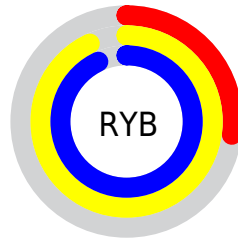
Distribution



Red (27%)

Green (93%)

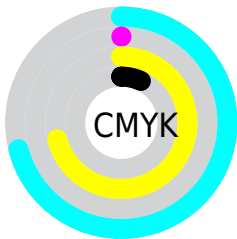
Blue (27%)



Red (27%)

Yellow (93%)

Blue (93%)

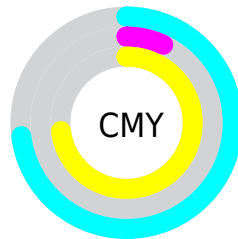


Cyan (71%)

Magenta (0%)

Yellow (71%)

Black (7%)



Cyan (73%)


Magenta (7%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7954, 0.3020, 0.5577 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 62.7954, 0.3020, 0.5577 by changing the saturation by 10% instead.


 62.7954, 0.3020,
0.5577

 62.7954, 0.3020,
0.5577


434.8266, 0.3160,
0.4408


 45.6757, 0.2958,
0.5859


 108.8743, 0.3092,
0.5156

 31.9900, 0.2864,
0.6207


 138.6023, 0.3112,
0.4996


 21.3539, 0.2716,
0.6640


 173.3018, 0.3127,
0.4860

 13.3829, 0.2486,
0.7193

 213.3573, 0.3138,
0.4743

 7.6927, 0.2113,
0.7887

 259.1531, 0.3146,
0.4642

 3.8990, 0.1463,
0.8537

311.0737, 0.3152,

 1.6172, 0.0000,

0.4554

1.0000

369.5034, 0.3157,
0.4477

■ 0.3692, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7954, 0.3020,
0.5577

■ 62.7954, 0.3020,
0.5577

■ 61.8744, 0.3009,
0.5804

■ 64.1864, 0.3034,
0.5278


■ 61.3555, 0.3003,
0.5943


■ 66.0899, 0.3050,
0.4934


■ 61.1503, 0.3000,
0.6000


■ 68.5520, 0.3067,
0.4572

■ 71.6120, 0.3084,
0.4218

 75.3053, 0.3099,
0.3887

 79.6648, 0.3113,
0.3588

 84.7209, 0.3126,
0.3325

 89.6299, 0.3135,
0.3127

Harmonies

Analogous

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



62.7954, 0.4093, 0.5368



62.7954, 0.3020, 0.5577



62.7954, 0.2025, 0.4584

Triad

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



62.7954, 0.3020, 0.5577



62.7954, 0.1370, 0.1672



62.7954, 0.5175, 0.3003

Complementary

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



62.7954, 0.3020, 0.5577



28.4782, 0.3200, 0.1728

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.



62.7954, 0.4084, 0.2335



62.7954, 0.3020, 0.5577



62.7954, 0.1880, 0.1611

Square

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



62.7954, 0.3020, 0.5577



62.7954, 0.1211, 0.2109



62.7954, 0.2812, 0.1842



62.7954, 0.5485, 0.3749

Rectangle

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



62.7954, 0.3020, 0.5577



62.7954, 0.1557, 0.3565



62.7954, 0.2812, 0.1842



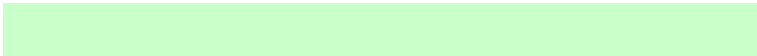
62.7954, 0.4877, 0.2769

Sweetspot

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



62.7980, 0.3020, 0.5577



88.2401, 0.3100, 0.3876



78.1078, 0.4097, 0.4844



18.6128, 0.3096, 0.3964



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.



62.7980, 0.3020, 0.5577



72.0162, 0.3006, 0.5883



64.5866, 0.2702, 0.4535



17.6566, 0.3116, 0.3534



34.1153, 0.3000, 0.6000



2.8381, 0.3000, 0.6000

Inverse Universe

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



28.4782, 0.3200, 0.1728



29.7133, 0.3206, 0.1591



24.7072, 0.4251, 0.2425



16.0312, 0.3138, 0.3057



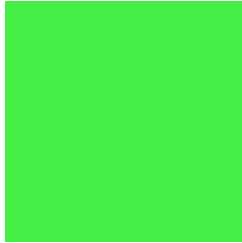
13.5793, 0.3209, 0.1541



1.1297, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 62.7954, 0.3020, 0.5577 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 62.7954, 0.3020, 0.5577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

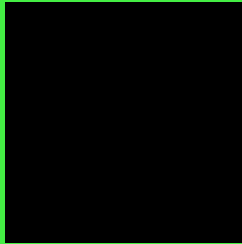
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.7954, 0.3020, 0.5577

Background



This preview shows how black text looks on a background with the Yxy color 62.7954, 0.3020, 0.5577.

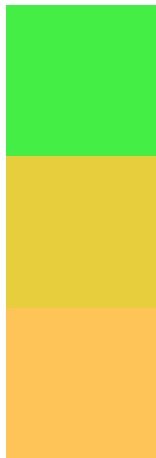


This preview shows how white text looks on a background with the Yxy color 62.7954, 0.3020, 0.5577.

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

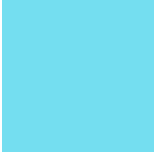
62.7954, 0.3020, 0.5577

Protanopia

61.4578, 0.4279, 0.4710

Deuteranopia

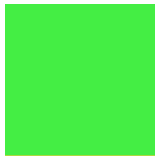
61.4280, 0.4425, 0.4335



Tritanopia

62.2468, 0.2414, 0.3064

Trichromacy



Original Color

62.7954, 0.3020, 0.5577



Protanomaly

59.2723, 0.3701, 0.5104



Deuteranomaly

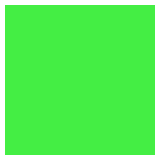
57.7325, 0.3791, 0.4839



Tritanomaly

61.3138, 0.2661, 0.3997

Monochromacy



Original Color

62.7954, 0.3020, 0.5577



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.7114, 0.3084, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7954, 0.3020, 0.5577 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(68, 238, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 238, 68)  
}
```

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(68, 238, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 238, 68) }
```

Border

The CSS property to change the border of an element to Yxy 62.7954, 0.3020, 0.5577 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(68, 238, 68) }
```

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

```
.border{ border-color:rgb(68, 238, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 238, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 238, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 238, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 238,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7954, 0.3020, 0.5577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 238, 68) }
```

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

```
.background{ background-color: rgb(68, 238,  
68) }
```

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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