

Converting Colors

$Y_{xy}(62.8342, 0.2905, 0.5615)$

Have a look what the booklet for
Yxy(62.8342, 0.2905, 0.5615)
contains.

Yxy(62.8982, 0.2906, 0.5616)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.8982, 0.2906, 0.5616)

Conversions

Conversions Part 1

Format	Color
Hex	10F048
RGB	16, 240, 72
RGB Percent	6%, 94%, 28%
CMY	0.9361, 0.0588, 0.7177
CMYK	0.93, 0.00, 0.70, 0.06
HSL	135°, 88%, 50%
HSV	135°, 93%, 94%
XYZ	32.5467, 62.8982, 16.5533
YIQ	153.8720, -79.5760, -99.7360

Conversions

Conversions Part 2

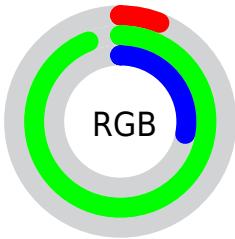
Format	Color
R_{YB}	16, 195, 240
Decimal	1110088
CIE Lab	83.39, -78.59, 64.62
CIE LCh	83, 101.747, 140.574
Yxy	62.8982, 0.2906, 0.5616
Android (android.graphics.Color)	4279300168 (0xFF10F048)
YUV	153.8720, -40.3629, -120.9137
Hunter-Lab	79.3084, -65.5366, 43.1408

Details

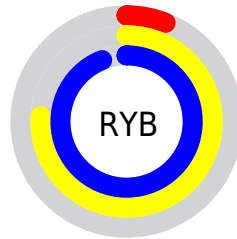
The Yxy color **62.8982, 0.2906, 0.5616** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **22.3777, 0.3908, 0.1952**, and the grayscale version is **32.5018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8180, 0.2991, 0.4897**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.6440, 0.2926, 0.5733**, and if you desaturate by 10%, it is **63.5157, 0.2883, 0.5403**.

Distribution



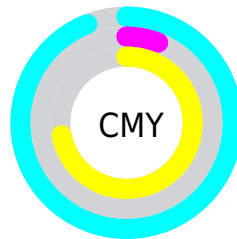
- Red (6%)
- Green (94%)
- Blue (28%)



- Red (6%)
- Yellow (76%)
- Blue (94%)



- Cyan (93%)
- Magenta (0%)
- Yellow (70%)
- Black (6%)





- Cyan (94%)
- Magenta (6%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8982, 0.2906, 0.5616 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 62.8982, 0.2906, 0.5616 by changing the saturation by 10% instead.


 62.8982, 0.2906,
0.5616

 62.8982, 0.2906,
0.5616


435.1999, 0.3099,
0.4418

 45.7589, 0.2832,
0.5908


 109.0226, 0.2996,
0.5182


 32.0556, 0.2724,
0.6271


 138.7765, 0.3024,
0.5018


 21.4040, 0.2562,
0.6726


 173.5040, 0.3045,
0.4879

 13.4196, 0.2310,
0.7303

 213.5896, 0.3061,
0.4760

 7.7181, 0.1926,
0.8074

 259.4175, 0.3074,
0.4657

 3.9151, 0.1217,
0.8783

311.3723, 0.3085,

 1.6262, 0.0000,

0.4567

1.0000

369.8383, 0.3093,
0.4488

■ 0.3752, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8982, 0.2906,
0.5616

■ 62.8982, 0.2906,
0.5616


■ 62.6440, 0.2926,
0.5733

■ 63.5157, 0.2883,
0.5403


■ 64.5035, 0.2874,
0.5150


■ 65.9171, 0.2881,
0.4871


■ 67.8003, 0.2901,
0.4582

 70.1914, 0.2932,
0.4297

 73.1245, 0.2972,
0.4026

 76.6309, 0.3016,
0.3776

 80.7395, 0.3064,
0.3550

 85.4770, 0.3112,
0.3349

Harmonies

Analogous

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



62.8982, 0.4005, 0.5473



62.8982, 0.2906, 0.5616



62.8982, 0.1915, 0.4489

Triad

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



62.8982, 0.2906, 0.5616



62.8982, 0.1364, 0.1617



62.8982, 0.5300, 0.3053

Complementary

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



62.8982, 0.2906, 0.5616



22.3777, 0.3908, 0.1952

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.



62.8982, 0.4230, 0.2366



62.8982, 0.2906, 0.5616



62.8982, 0.1916, 0.1585

Square

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



62.8982, 0.2906, 0.5616



62.8982, 0.1173, 0.2016



62.8982, 0.2907, 0.1845



62.8982, 0.5526, 0.3815

Rectangle

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



62.8982, 0.2906, 0.5616



62.8982, 0.1470, 0.3433



62.8982, 0.2907, 0.1845



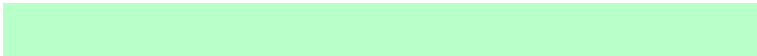
62.8982, 0.5019, 0.2814

Sweetspot

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



62.9008, 0.2906, 0.5616



85.8959, 0.2994, 0.3895



73.0247, 0.3796, 0.5337



18.0252, 0.2975, 0.4006



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.



62.9008, 0.2906, 0.5616



71.8844, 0.2927, 0.5738



65.7424, 0.2488, 0.4125



17.7210, 0.3082, 0.3472



34.3100, 0.2919, 0.5708



2.8697, 0.2850, 0.5459

Inverse Universe

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



22.3777, 0.3908, 0.1952



25.0440, 0.3977, 0.1964



19.4255, 0.5718, 0.2968



15.9602, 0.3176, 0.3114



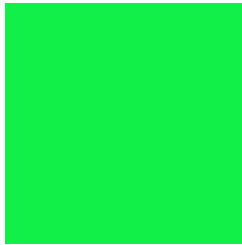
11.9727, 0.3959, 0.1954



1.0117, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 62.8982, 0.2906, 0.5616 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 62.8982, 0.2906, 0.5616 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 62.8982, 0.2906, 0.5616

Background



This preview shows how black text looks on a background with the Yxy color 62.8982, 0.2906, 0.5616.

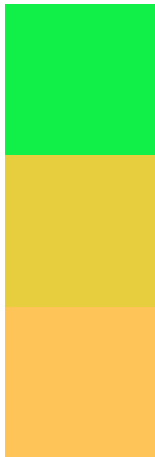


This preview shows how white text looks on a background with the Yxy color 62.8982, 0.2906, 0.5616.

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

62.8982, 0.2906, 0.5616

Protanopia

61.3245, 0.4260, 0.4698

Deuteranopia

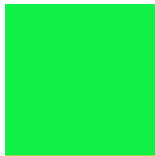
61.4444, 0.4419, 0.4328



Tritanopia

62.3748, 0.2348, 0.3062

Trichromacy



Original Color

62.8982, 0.2906, 0.5616



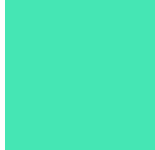
Protanomaly

57.2116, 0.3534, 0.5184



Deuteranomaly

56.0210, 0.3620, 0.4920



Tritanomaly

61.1541, 0.2547, 0.3995

Monochromacy



Original Color

62.8982, 0.2906, 0.5616



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

39.0962, 0.2934, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8982, 0.2906, 0.5616 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(16, 240, 72)` looks like.

```
.text, #text, p{  
    color:rgb(16, 240, 72)  
}
```

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(16, 240, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 240, 72) }
```

Border

The CSS property to change the border of an element to Yxy 62.8982, 0.2906, 0.5616 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(16, 240, 72) }
```

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

```
.border{ border-color:rgb(16, 240, 72) }
```

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

Here you see how a box with a 4 pixel rgb(16, 240, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 240, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 240, 72);  
box-shadow:4px 4px 4px 4px rgb(16, 240,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8982, 0.2906, 0.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 240, 72) }
```

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

```
.background{ background-color: rgb(16, 240,  
72) }
```

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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