

Converting Colors

$Yxy(66.7962, 0.2887, 0.5414)$

Have a look what the booklet for
Yxy(66.7962, 0.2887, 0.5414)
contains.

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Color

Yxy(66.5524, 0.2888, 0.5414)

Conversions

Conversions Part 1

Format	Color
Hex	2AF55B
RGB	42, 245, 91
RGB Percent	16%, 96%, 36%
CMY	0.8346, 0.0392, 0.6431
CMYK	0.83, 0.00, 0.63, 0.04
HSL	134°, 91%, 56%
HSV	134°, 83%, 96%
XYZ	35.5012, 66.5524, 20.8729
YIQ	166.7470, -71.5540, -90.9300

Conversions

Conversions Part 2

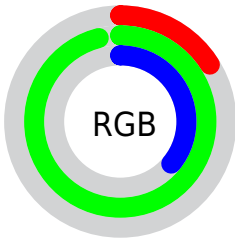
Format	Color
R_{YB}	42, 206, 245
Decimal	2815323
CIE Lab	85.28, -76.46, 59.30
CIE LCh	85, 96.755, 142.204
Yxy	66.5524, 0.2888, 0.5414
Android (android.graphics.Color)	4281005403 (0xFF2AF55B)
YUV	166.7470, -37.3433, -109.4031
Hunter-Lab	81.5797, -65.0862, 41.9359

Details

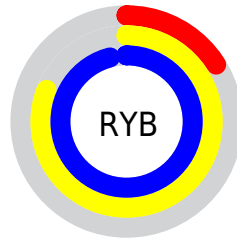
The Yxy color **66.5524, 0.2888, 0.5414** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **25.0745, 0.3782, 0.1956**, and the grayscale version is **38.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9553, 0.2958, 0.4668**, and **35.6449, 0.2957, 0.5846** is the 20% darker color. If you saturate the color by 10%, you get **65.9023, 0.2910, 0.5628**, and if you desaturate by 10%, it is **67.6030, 0.2880, 0.5159**.

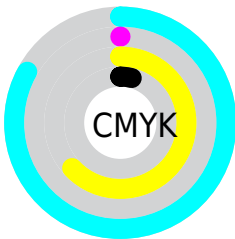
Distribution



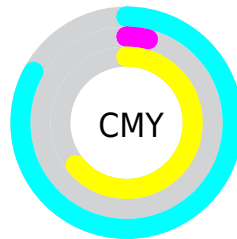
- Red (16%)
- Green (96%)
- Blue (36%)



- Red (16%)
- Yellow (81%)
- Blue (96%)



- Cyan (83%)
- Magenta (0%)
- Yellow (63%)
- Black (4%)




- Cyan (83%)
- Magenta (4%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5524, 0.2888, 0.5414 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 66.5524, 0.2888, 0.5414 by changing the saturation by 10% instead.

 66.5524, 0.2888,
0.5414


 66.5524, 0.2888,
0.5414


448.3499, 0.3072,
0.4328

 48.7210, 0.2823,
0.5680


 114.2788, 0.2969,
0.5021

 34.3982, 0.2730,
0.6013


 144.9426, 0.2996,
0.4872

 23.1997, 0.2593,
0.6436

 180.6526, 0.3016,
0.4746

 14.7410, 0.2379,
0.6979

 221.7932, 0.3032,
0.4638

 8.6378, 0.2081,
0.7823

268.7488, 0.3045,
0.4545

 4.5057, 0.1497,
0.8503

321.9039, 0.3056,

 1.9603, 0.0000,

0.4463

1.0000

381.6428, 0.3065,
0.4392

■ 0.5842, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5524, 0.2888,
0.5414

■ 66.5524, 0.2888,
0.5414

■ 65.9023, 0.2910,
0.5628

■ 67.6030, 0.2880,
0.5159

■ 65.6191, 0.2931,
0.5751


■ 69.1011, 0.2887,
0.4878

■ 71.0955, 0.2907,
0.4586


■ 73.6266, 0.2938,
0.4298

 76.7302, 0.2977,
0.4024

 80.4393, 0.3021,
0.3772

 84.7840, 0.3067,
0.3544

 89.7928, 0.3114,
0.3342

 93.7836, 0.3132,
0.3194

Harmonies

Analogous

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



66.5524, 0.3937, 0.5386



66.5524, 0.2888, 0.5414



66.5524, 0.1953, 0.4323

Triad

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



66.5524, 0.2888, 0.5414



66.5524, 0.1467, 0.1691



66.5524, 0.5196, 0.3123

Complementary

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



66.5524, 0.2888, 0.5414



25.0745, 0.3782, 0.1956

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.



66.5524, 0.4229, 0.2453



66.5524, 0.2888, 0.5414



66.5524, 0.2023, 0.1672

Square

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



66.5524, 0.2888, 0.5414



66.5524, 0.1265, 0.2062



66.5524, 0.2989, 0.1938



66.5524, 0.5385, 0.3867

Rectangle

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



66.5524, 0.2888, 0.5414



66.5524, 0.1536, 0.3361



66.5524, 0.2989, 0.1938



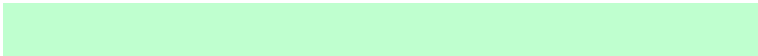
66.5524, 0.4946, 0.2889

Sweetspot

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



66.5551, 0.2888, 0.5414



87.1141, 0.3010, 0.3827



77.4336, 0.3805, 0.5236



18.3350, 0.2995, 0.3915



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.



66.5551, 0.2888, 0.5414



71.8990, 0.2929, 0.5739



69.5575, 0.2487, 0.4021



18.5374, 0.3083, 0.3475



35.3691, 0.2924, 0.5726



3.1241, 0.2859, 0.5493

Inverse Universe

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



25.0745, 0.3782, 0.1956



25.2206, 0.3937, 0.1946



21.9305, 0.5360, 0.2894



16.6961, 0.3175, 0.3112



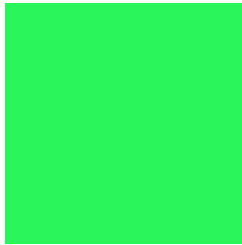
12.3910, 0.3930, 0.1939



1.1050, 0.3821, 0.1878

Previews

White Background



This preview shows how the Yxy color 66.5524, 0.2888, 0.5414 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 66.5524, 0.2888, 0.5414 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 66.5524, 0.2888, 0.5414

Background



This preview shows how black text looks on a background with the Yxy color 66.5524, 0.2888, 0.5414.

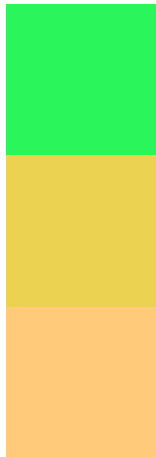


This preview shows how white text looks on a background with the Yxy color 66.5524, 0.2888, 0.5414.

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

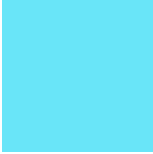
66.5524, 0.2888, 0.5414

Protanopia

64.8448, 0.4185, 0.4596

Deuteranopia

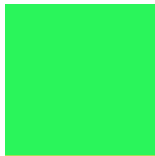
64.8815, 0.4170, 0.4111



Tritanopia

65.8192, 0.2357, 0.3055

Trichromacy



Original Color

66.5524, 0.2888, 0.5414



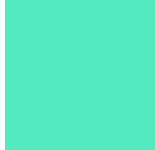
Protanomaly

61.4306, 0.3536, 0.4989



Deuteranomaly

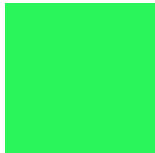
60.7336, 0.3530, 0.4636



Tritanomaly

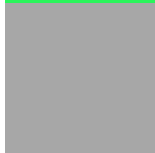
64.9721, 0.2548, 0.3887

Monochromacy



Original Color

66.5524, 0.2888, 0.5414



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.0319, 0.2964, 0.4145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5524, 0.2888, 0.5414 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(42, 245, 91)` looks like.

```
.text, #text, p{  
    color:rgb(42, 245, 91)  
}
```

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(42, 245, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 245, 91) }
```

Border

The CSS property to change the border of an element to Yxy 66.5524, 0.2888, 0.5414 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(42, 245, 91) }
```

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

```
.border{ border-color:rgb(42, 245, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 245, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 245, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 245, 91);  
box-shadow:4px 4px 4px 4px rgb(42, 245,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5524, 0.2888, 0.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 245, 91) }
```

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

```
.background{ background-color: rgb(42, 245,  
91) }
```

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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