

Converting Colors

Yxy(64.4801, 0.2856, 0.5482)

Have a look what the booklet for
Yxy(64.4801, 0.2856, 0.5482)
contains.

Yxy(64.7731, 0.2858, 0.5488)	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(64.7731, 0.2858, 0.5488)

Conversions

Conversions Part 1

Format	Color
Hex	00F356
RGB	0, 243, 86
RGB Percent	0%, 95%, 34%
CMY	0.9988, 0.0471, 0.6629
CMYK	1.00, 0.00, 0.65, 0.05
HSL	141°, 100%, 48%
HSV	141°, 100%, 95%
XYZ	33.7321, 64.7731, 19.5216
YIQ	152.4450, -94.4310, -100.3430

Conversions

Conversions Part 2

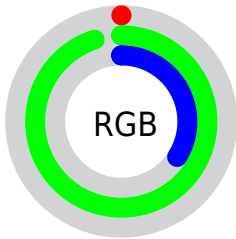
Format	Color
RYB	0, 179, 243
Decimal	62294
CIELab	84.37, -78.61, 60.27
CIELCh	84, 99.059, 142.524
Yxy	64.7731, 0.2858, 0.5488
Android (android.graphics.Color)	4278252374 (0xFF00F356)
YUV	152.4450, -32.7574, -133.6943
Hunter-Lab	80.4817, -66.0289, 41.9558

Details

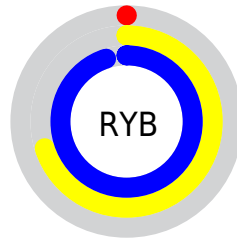
The Yxy color **64.7731, 0.2858, 0.5488** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **21.5077, 0.4373, 0.2183**, and the grayscale version is **31.8185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0205, 0.2931, 0.4752**, and **34.7639, 0.2972, 0.5899** is the 20% darker color. If you saturate the color by 10%, you get **64.7705, 0.2858, 0.5490**, and if you desaturate by 10%, it is **65.2573, 0.2824, 0.5291**.

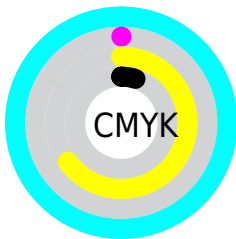
Distribution



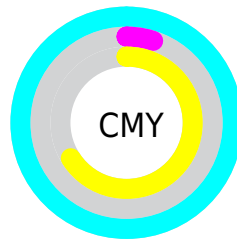
- Red (0%)
- Green (95%)
- Blue (34%)



- Red (0%)
- Yellow (70%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7731, 0.2858, 0.5488 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 64.7731, 0.2858, 0.5488 by changing the saturation by 10% instead.


 64.7731, 0.2858,
0.5488


 64.7731, 0.2858,
0.5488


441.9761, 0.3061,
0.4357


 47.2771, 0.2787,
0.5766


 111.7236, 0.2948,
0.5077


 33.2548, 0.2685,
0.6114


 141.9469, 0.2977,
0.4922


 22.3217, 0.2534,
0.6557


 177.1814, 0.2999,
0.4791

 14.0935, 0.2301,
0.7121

 217.8115, 0.3017,
0.4679

 8.1857, 0.1979,
0.8021

 264.2217, 0.3032,
0.4582

 4.2140, 0.1327,
0.8673

316.7962, 0.3044,

 1.7940, 0.0000,

0.4498

1.0000

375.9196, 0.3053,
0.4423

■ 0.4834, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7731, 0.2858,
0.5488

■ 64.7731, 0.2858,
0.5488

■ 64.7705, 0.2858,
0.5490

■ 65.2573, 0.2824,
0.5291

■ 66.0473, 0.2803,
0.5066

■ 67.2244, 0.2801,
0.4821

■ 68.8374, 0.2817,
0.4567

■ 70.9277, 0.2848,
0.4315

■ 73.5314, 0.2891,
0.4073

■ 76.6813, 0.2944,
0.3847

■ 80.4072, 0.3003,
0.3640

■ 84.7368, 0.3065,
0.3454

Harmonies

Analogous

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



64.7731, 0.3931, 0.5448



64.7731, 0.2858, 0.5488



64.7731, 0.1907, 0.4344

Triad

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



64.7731, 0.2858, 0.5488



64.7731, 0.1432, 0.1650



64.7731, 0.5268, 0.3117

Complementary

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



64.7731, 0.2858, 0.5488



21.5077, 0.4373, 0.2183

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.



64.7731, 0.4276, 0.2435



64.7731, 0.2858, 0.5488



64.7731, 0.2001, 0.1636

Square

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



64.7731, 0.2858, 0.5488



64.7731, 0.1223, 0.2018



64.7731, 0.2995, 0.1909



64.7731, 0.5443, 0.3872

Rectangle

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



64.7731, 0.2858, 0.5488



64.7731, 0.1487, 0.3343



64.7731, 0.2995, 0.1909



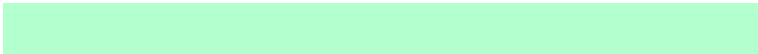
64.7731, 0.5013, 0.2880

Sweetspot

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



64.7758, 0.2858, 0.5488



85.4763, 0.2943, 0.3852



71.3782, 0.3582, 0.5538



17.9623, 0.2920, 0.3945



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.



64.7758, 0.2858, 0.5488



72.2583, 0.2860, 0.5495



68.5897, 0.2383, 0.3777



18.5686, 0.3067, 0.3447



35.5709, 0.2850, 0.5461



3.1451, 0.2780, 0.5209

Inverse Universe

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



21.5077, 0.4373, 0.2183



23.9764, 0.4378, 0.2186



19.1935, 0.6221, 0.3201



16.6632, 0.3192, 0.3138



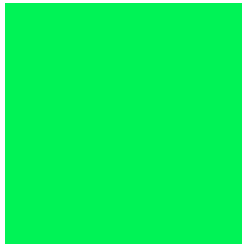
11.8248, 0.4351, 0.2171



1.0588, 0.4170, 0.2071

Previews

White Background



This preview shows how the Yxy color 64.7731, 0.2858, 0.5488 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 64.7731, 0.2858, 0.5488 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 64.7731, 0.2858, 0.5488

Background



This preview shows how black text looks on a background with the Yxy color 64.7731, 0.2858, 0.5488.

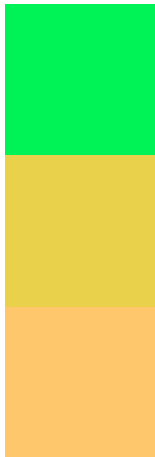


This preview shows how white text looks on a background with the Yxy color 64.7731, 0.2858, 0.5488.

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

64.7731, 0.2858, 0.5488

Protanopia

63.4464, 0.4206, 0.4624

Deuteranopia

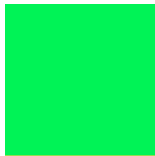
63.1896, 0.4276, 0.4197



Tritanopia

64.1887, 0.2336, 0.3052

Trichromacy



Original Color

64.7731, 0.2858, 0.5488



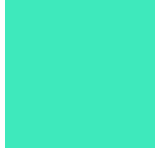
Protanomaly

58.5880, 0.3439, 0.5098



Deuteranomaly

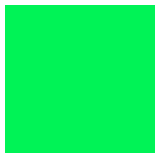
57.2024, 0.3470, 0.4782



Tritanomaly

62.9328, 0.2501, 0.3915

Monochromacy



Original Color

64.7731, 0.2858, 0.5488



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

39.2442, 0.2855, 0.4236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7731, 0.2858, 0.5488 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(0, 243, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 86)  
}
```

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(0, 243, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 86) }
```

Border

The CSS property to change the border of an element to Yxy 64.7731, 0.2858, 0.5488 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(0, 243, 86) }
```

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

```
.border{ border-color:rgb(0, 243, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 243, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 243, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.7731, 0.2858, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 86) }
```

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

```
.background{ background-color: rgb(0, 243,  
86) }
```

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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