

Converting Colors

$Yxy(64.7492, 0.2780, 0.5207)$

Have a look what the booklet for
Yxy(64.7492, 0.2780, 0.5207)
contains.

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Color

Yxy(64.6084, 0.2778, 0.5200)

Conversions

Conversions Part 1

Format	Color
Hex	00F26D
RGB	0, 242, 109
RGB Percent	0%, 95%, 43%
CMY	0.9988, 0.0510, 0.5725
CMYK	1.00, 0.00, 0.55, 0.05
HSL	147°, 100%, 48%
HSV	147°, 100%, 95%
XYZ	34.5158, 64.6084, 25.1227
YIQ	154.4800, -101.5390, -92.6670

Conversions

Conversions Part 2

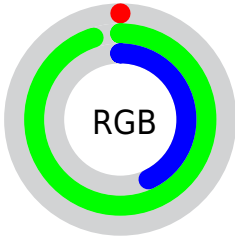
Format	Color
RYB	0, 167, 242
Decimal	62061
CIELab	84.28, -75.53, 50.23
CIELCh	84, 90.705, 146.373
Yxy	64.6084, 0.2778, 0.5200
Android (android.graphics.Color)	4278252141 (0xFF00F26D)
YUV	154.4800, -22.4216, -135.4790
Hunter-Lab	80.3794, -64.0140, 37.7343

Details

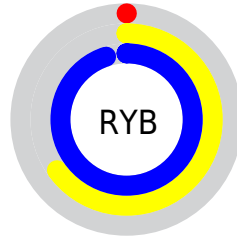
The Yxy color **64.6084, 0.2778, 0.5200** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **20.5861, 0.4776, 0.2405**, and the grayscale version is **32.7161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6751, 0.2828, 0.4466**, and **34.5665, 0.2885, 0.5585** is the 20% darker color. If you saturate the color by 10%, you get **64.6052, 0.2778, 0.5202**, and if you desaturate by 10%, it is **65.1185, 0.2744, 0.5009**.

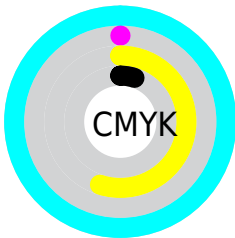
Distribution



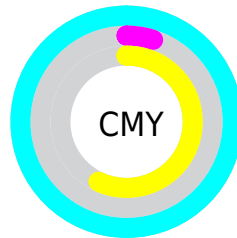
- Red (0%)
- Green (95%)
- Blue (43%)



- Red (0%)
- Yellow (65%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6084, 0.2778, 0.5200 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 64.6084, 0.2778, 0.5200 by changing the saturation by 10% instead.

 64.6084, 0.2778,
0.5200


 64.6084, 0.2778,
0.5200


441.3834, 0.2998,
0.4215

 47.1436, 0.2710,
0.5447


 111.4867, 0.2868,
0.4839

 33.1492, 0.2616,
0.5762

 141.6689, 0.2899,
0.4704


 22.2408, 0.2481,
0.6171


 176.8592, 0.2924,
0.4590

 14.0339, 0.2278,
0.6714

 217.4417, 0.2944,
0.4493

 8.1443, 0.1963,
0.7468

 263.8011, 0.2961,
0.4409

 4.1874, 0.1452,
0.8548


316.3215, 0.2975,

 1.7789, 0.0000,


0.4336


1.0000


375.3875, 0.2988,
0.4272


 0.4740, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 64.6084, 0.2778,
0.5200


 64.6084, 0.2778,
0.5200

 64.6052, 0.2778,
0.5202

 65.1185, 0.2744,
0.5009

 65.9181, 0.2727,
0.4803

 67.0866, 0.2729,
0.4587

 68.6710, 0.2751,
0.4368

■ 70.7111, 0.2790,
0.4155

■ 73.2418, 0.2842,
0.3951

■ 76.2943, 0.2906,
0.3760

■ 79.8974, 0.2977,
0.3586

■ 84.0776, 0.3051,
0.3429

Harmonies

Analogous

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



64.6084, 0.3788, 0.5345



64.6084, 0.2778, 0.5200



64.6084, 0.1914, 0.4076

Triad

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



64.6084, 0.2778, 0.5200



64.6084, 0.1584, 0.1735



64.6084, 0.5166, 0.3242

Complementary

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



64.6084, 0.2778, 0.5200



20.5861, 0.4776, 0.2405

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.



64.6084, 0.4331, 0.2576



64.6084, 0.2778, 0.5200



64.6084, 0.2178, 0.1754

Square

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



64.6084, 0.2778, 0.5200



64.6084, 0.1343, 0.2047



64.6084, 0.3157, 0.2049



64.6084, 0.5253, 0.3974

Rectangle

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



64.6084, 0.2778, 0.5200



64.6084, 0.1546, 0.3194



64.6084, 0.3157, 0.2049



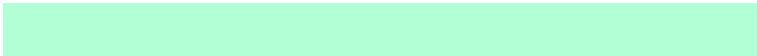
64.6084, 0.4961, 0.3011

Sweetspot

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



64.6110, 0.2778, 0.5200



85.8436, 0.2904, 0.3764



68.8466, 0.3451, 0.5641



18.0483, 0.2877, 0.3843



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.



64.6110, 0.2778, 0.5200



72.7506, 0.2780, 0.5207



68.9914, 0.2305, 0.3498



17.7746, 0.3054, 0.3423



34.7330, 0.2770, 0.5172



2.9092, 0.2699, 0.4917

Inverse Universe

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



20.5861, 0.4776, 0.2405



23.1627, 0.4784, 0.2409



18.9229, 0.6345, 0.3270



15.9044, 0.3207, 0.3161



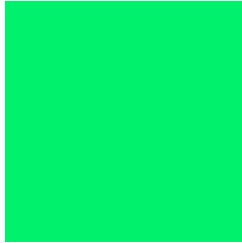
11.0811, 0.4746, 0.2388



0.9419, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 64.6084, 0.2778, 0.5200 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 64.6084, 0.2778, 0.5200 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 64.6084, 0.2778, 0.5200

Background



This preview shows how black text looks on a background with the Yxy color 64.6084, 0.2778, 0.5200.

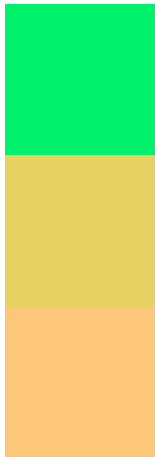


This preview shows how white text looks on a background with the Yxy color 64.6084, 0.2778, 0.5200.

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

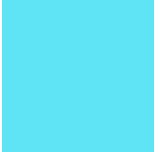
64.6084, 0.2778, 0.5200

Protanopia

63.4717, 0.4076, 0.4464

Deuteranopia

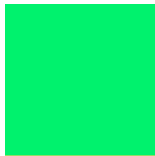
63.1100, 0.4171, 0.4088



Tritanopia

64.5735, 0.2330, 0.3064

Trichromacy



Original Color

64.6084, 0.2778, 0.5200



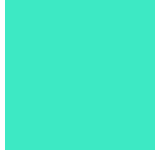
Protanomaly

58.8753, 0.3330, 0.4867



Deuteranomaly

57.4623, 0.3367, 0.4583



Tritanomaly

63.2554, 0.2463, 0.3798

Monochromacy



Original Color

64.6084, 0.2778, 0.5200



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.0283, 0.2811, 0.4091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6084, 0.2778, 0.5200 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, 242, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 109)  
}
```

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, 242, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 109) }
```

Border

The CSS property to change the border of an element to Yxy 64.6084, 0.2778, 0.5200 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, 242, 109) }
```

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

```
.border{ border-color:rgb(0, 242, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6084, 0.2778, 0.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 109) }
```

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

```
.background{ background-color: rgb(0, 242,  
109) }
```

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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