

Converting Colors

$Yxy(64.2777, 0.2747, 0.4932)$

Have a look what the booklet for
Yxy(64.2777, 0.2747, 0.4932)
contains.

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Color

Yxy(64.2777, 0.2747, 0.4932)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 28F07E |
| RGB | 40, 240, 126 |
| RGB Percent | 16%, 94%, 49% |
| CMY | 0.8429, 0.0588, 0.5060 |
| CMYK | 0.83, 0.00, 0.48, 0.06 |
| HSL | 146°, 87%, 55% |
| HSV | 146°, 83%, 94% |
| XYZ | 35.8011, 64.2777, 30.2491 |
| YIQ | 167.2040, -82.6060, -77.8540 |

Conversions

Conversions Part 2

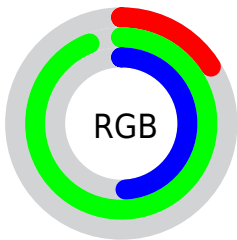
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 40, 180, 240 |
| Decimal | 2683006 |
| CIELab | 84.11, -70.41, 42.10 |
| CIELCh | 84, 82.041, 149.123 |
| Yxy | 64.2777, 0.2747, 0.4932 |
| Android (android.graphics.Color) | 4280873086 (0xFF28F07E) |
| YUV | 167.2040, -20.3136, -111.5579 |
| Hunter-Lab | 80.1734, -60.5950, 33.7515 |

Details

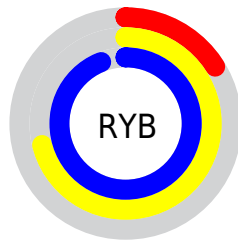
The Yxy color **64.2777, 0.2747, 0.4932** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.3831, 0.4358, 0.2293**, and the grayscale version is **38.8872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9529, 0.2787, 0.4230**, and **33.9503, 0.2807, 0.5305** is the 20% darker color. If you saturate the color by 10%, you get **63.6093, 0.2772, 0.5138**, and if you desaturate by 10%, it is **65.2977, 0.2741, 0.4712**.

Distribution



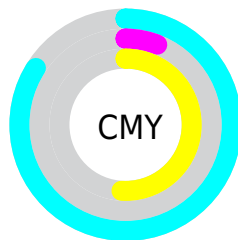
- Red (16%)
- Green (94%)
- Blue (49%)



- Red (16%)
- Yellow (71%)
- Blue (94%)



- Cyan (83%)
- Magenta (0%)
- Yellow (48%)
- Black (6%)




- Cyan (84%)
- Magenta (6%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2777, 0.2747, 0.4932 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 64.2777, 0.2747, 0.4932 by changing the saturation by 10% instead.


 64.2777, 0.2747,
0.4932


 64.2777, 0.2747,
0.4932


440.1918, 0.2967,
0.4087

 46.8756, 0.2684,
0.5146


 111.0108, 0.2833,
0.4622


 32.9373, 0.2599,
0.5419


 141.1106, 0.2864,
0.4506

 22.0785, 0.2479,
0.5780


 176.2117, 0.2889,
0.4409

 13.9146, 0.2301,
0.6270

 216.6986, 0.2910,
0.4325

 8.0613, 0.2024,
0.6955

 262.9557, 0.2927,
0.4254

 4.1342, 0.1652,
0.8348

315.3673, 0.2942,

 1.7489, 0.0000,

0.4191

1.0000

374.3179, 0.2955,
0.4136

■ 0.4550, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2777, 0.2747,
0.4932

■ 64.2777, 0.2747,
0.4932

■ 63.6093, 0.2772,
0.5138


■ 65.2977, 0.2741,
0.4712

■ 63.3043, 0.2796,
0.5265


■ 66.7113, 0.2755,
0.4487


■ 68.5621, 0.2787,
0.4263


■ 70.8862, 0.2834,
0.4047

 73.7153, 0.2892,
0.3844

 77.0786, 0.2958,
0.3657

 81.0030, 0.3029,
0.3488

 85.5133, 0.3103,
0.3336

 90.4319, 0.3170,
0.3202

Harmonies

Analogous

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



64.2777, 0.3684, 0.5187



64.2777, 0.2747, 0.4932



64.2777, 0.1965, 0.3891

Triad

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



64.2777, 0.2747, 0.4932



64.2777, 0.1733, 0.1839



64.2777, 0.5021, 0.3332

Complementary

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



64.2777, 0.2747, 0.4932



22.3831, 0.4358, 0.2293

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.



64.2777, 0.4313, 0.2692



64.2777, 0.2747, 0.4932



64.2777, 0.2327, 0.1878

Square

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



64.2777, 0.2747, 0.4932



64.2777, 0.1474, 0.2111



64.2777, 0.3258, 0.2178



64.2777, 0.5062, 0.4028

Rectangle

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



64.2777, 0.2747, 0.4932



64.2777, 0.1637, 0.3120



64.2777, 0.3258, 0.2178



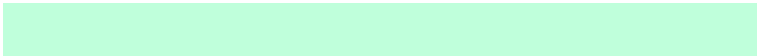
64.2777, 0.4852, 0.3110

Sweetspot

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



64.2803, 0.2747, 0.4932



87.7246, 0.2946, 0.3689



69.6131, 0.3544, 0.5436



18.4786, 0.2922, 0.3754



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.



64.2803, 0.2747, 0.4932



72.6366, 0.2797, 0.5271



68.1207, 0.2336, 0.3505



17.7692, 0.3057, 0.3428



34.6780, 0.2788, 0.5235



2.9044, 0.2716, 0.4976

Inverse Universe

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



22.3831, 0.4358, 0.2293



23.3174, 0.4699, 0.2362



20.3398, 0.5889, 0.3200



15.9099, 0.3204, 0.3156



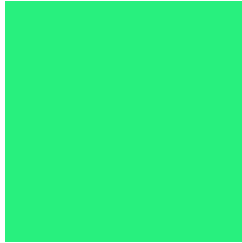
11.1549, 0.4662, 0.2342



0.9479, 0.4418, 0.2207

Previews

White Background



This preview shows how the Yxy color 64.2777, 0.2747, 0.4932 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 64.2777, 0.2747, 0.4932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

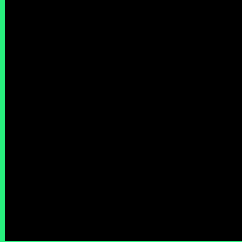
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

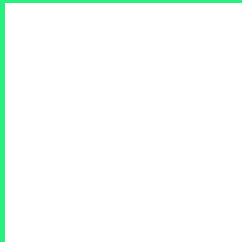
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2777, 0.2747, 0.4932

Background



This preview shows how black text looks on a background with the Yxy color 64.2777, 0.2747, 0.4932.



This preview shows how white text looks on a background with the Yxy color 64.2777, 0.2747, 0.4932.

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

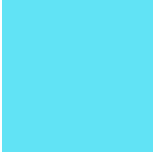
64.2777, 0.2747, 0.4932

Protanopia

62.8206, 0.3960, 0.4320

Deuteranopia

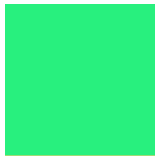
62.9484, 0.4036, 0.3952



Tritanopia

64.0721, 0.2337, 0.3064

Trichromacy



Original Color

64.2777, 0.2747, 0.4932



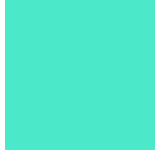
Protanomaly

59.9680, 0.3342, 0.4622



Deuteranomaly

58.7577, 0.3378, 0.4346



Tritanomaly

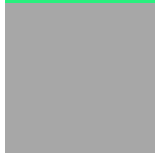
63.5140, 0.2472, 0.3695

Monochromacy



Original Color

64.2777, 0.2747, 0.4932



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.9155, 0.2871, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2777, 0.2747, 0.4932 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(40, 240, 126)` looks like.

```
.text, #text, p{  
    color:rgb(40, 240, 126)  
}
```

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(40, 240, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 240, 126) }
```

Border

The CSS property to change the border of an element to Yxy 64.2777, 0.2747, 0.4932 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(40, 240, 126) }
```

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

```
.border{ border-color:rgb(40, 240, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 240, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 240, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 240, 126);  
box-shadow:4px 4px 4px 4px rgb(40, 240,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2777, 0.2747, 0.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 240, 126) }
```

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

```
.background{ background-color: rgb(40, 240,  
126) }
```

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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