

Converting Colors

$Y_{xy}(42.6396, 0.2752, 0.4765)$

Have a look what the booklet for
Yxy(42.6396, 0.2752, 0.4765)
contains.

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Color

Yxy(42.6948, 0.2752, 0.4764)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 32C770 |
| RGB | 50, 199, 112 |
| RGB Percent | 20%, 78%, 44% |
| CMY | 0.8038, 0.2196, 0.5609 |
| CMYK | 0.75, 0.00, 0.44, 0.22 |
| HSL | 145°, 60%, 49% |
| HSV | 145°, 75%, 78% |
| XYZ | 24.6633, 42.6948, 22.2615 |
| YIQ | 144.5310, -60.8770, -58.6450 |

Conversions

Conversions Part 2

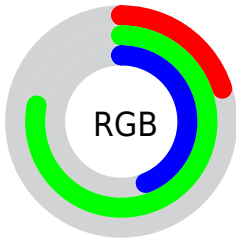
| Format | Color |
|-------------------------------------|--|
| RYB | 50, 155, 199 |
| Decimal | 3327856 |
| CIELab | 71.35, -57.58, 32.78 |
| CIELCh | 71, 66.257, 150.351 |
| Yxy | 42.6948, 0.2752, 0.4764 |
| Android (android.graphics.Color) | 4281517936 (0xFF32C770) |
| YUV | 144.5310, -16.0378, -82.9037 |
| Hunter-Lab | 65.3413, -46.9716, 25.5390 |

Details

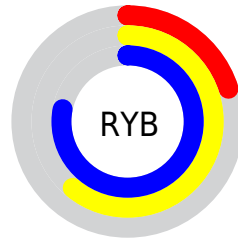
The Yxy color **42.6948, 0.2752, 0.4764** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.2349, 0.4130, 0.2295**, and the grayscale version is **28.2037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0882, 0.2840, 0.4433**, and **20.2943, 0.2777, 0.5198** is the 20% darker color. If you saturate the color by 10%, you get **42.0531, 0.2759, 0.4984**, and if you desaturate by 10%, it is **43.5931, 0.2764, 0.4536**.

Distribution



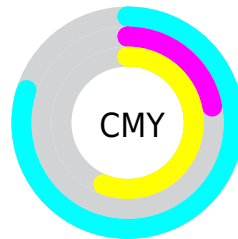
- Red (20%)
- Green (78%)
- Blue (44%)



- Red (20%)
- Yellow (61%)
- Blue (78%)



- Cyan (75%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)





- Cyan (80%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6948, 0.2752, 0.4764 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 42.6948, 0.2752, 0.4764 by changing the saturation by 10% instead.


 42.6948, 0.2752,
0.4764


 42.6948, 0.2752,
0.4764


357.3551, 0.2974,
0.3958


 29.6457, 0.2684,
0.4987


 79.2501, 0.2842,
0.4455


 19.5698, 0.2588,
0.5285


 103.5251, 0.2873,
0.4344


 12.0827, 0.2445,
0.5700


 132.3109, 0.2898,
0.4252

 6.8001, 0.2218,
0.6309

 165.9918, 0.2919,
0.4174

 3.3374, 0.1885,
0.7484

 204.9523, 0.2936,
0.4108

 1.3103, 0.0000,
1.0000

249.5768, 0.2951,


 0.1492, 0.0000,


0.4051


1.0000


300.2496, 0.2963,
0.4002


 0.0000, 0.0000,
0.0000


 42.6948, 0.2752,
0.4764


 42.6948, 0.2752,
0.4764


 42.0531, 0.2759,
0.4984


 43.5931, 0.2764,
0.4536


 41.6309, 0.2785,
0.5189

 44.7694, 0.2792,
0.4309

 41.4688, 0.2802,
0.5288

 46.2483, 0.2836,
0.4089

 48.0506, 0.2891,
0.3882

 50.1947, 0.2954,
0.3690

■ 52.6981, 0.3022,
0.3516

■ 55.5766, 0.3093,
0.3360

■ 58.8454, 0.3164,
0.3221

■ 62.5186, 0.3234,
0.3098

Harmonies

Analogous

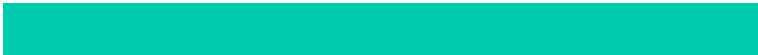
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6948, 0.3633, 0.5054



42.6948, 0.2752, 0.4764



42.6948, 0.2022, 0.3803

Triad

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



42.6948, 0.2752, 0.4764



42.6948, 0.1832, 0.1921



42.6948, 0.4900, 0.3373

Complementary

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



42.6948, 0.2752, 0.4764



16.2349, 0.4130, 0.2295

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.



42.6948, 0.4263, 0.2758



42.6948, 0.2752, 0.4764



42.6948, 0.2413, 0.1966

Square

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



42.6948, 0.2752, 0.4764



42.6948, 0.1572, 0.2174



42.6948, 0.3294, 0.2261



42.6948, 0.4928, 0.4036

Rectangle

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



42.6948, 0.2752, 0.4764



42.6948, 0.1717, 0.3103



42.6948, 0.3294, 0.2261



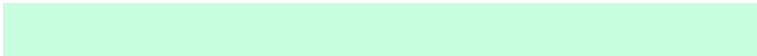
42.6948, 0.4749, 0.3160

Sweetspot

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



42.6965, 0.2752, 0.4764



88.9344, 0.2971, 0.3644



46.6037, 0.3577, 0.5256



18.7920, 0.2953, 0.3694



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.



42.6965, 0.2752, 0.4764



73.1116, 0.2774, 0.5119



44.9924, 0.2377, 0.3518



11.9598, 0.3060, 0.3428



26.6810, 0.2795, 0.5262



1.2777, 0.2678, 0.4840

Inverse Universe

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



16.2349, 0.4130, 0.2295



24.5002, 0.4449, 0.2275



14.8077, 0.5463, 0.3154



10.7391, 0.3200, 0.3156



8.6402, 0.4589, 0.2302



0.4233, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 42.6948, 0.2752, 0.4764 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 42.6948, 0.2752, 0.4764 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 42.6948, 0.2752, 0.4764

Background



This preview shows how black text looks on a background with the Yxy color 42.6948, 0.2752, 0.4764.



This preview shows how white text looks on a background with the Yxy color 42.6948, 0.2752, 0.4764.

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

42.6948, 0.2752, 0.4764

Protanopia

41.7936, 0.3898, 0.4223

Deuteranopia

41.8939, 0.3950, 0.3870



Tritanopia

42.3523, 0.2365, 0.3053

Trichromacy



Original Color

42.6948, 0.2752, 0.4764



Protanomaly

39.9855, 0.3341, 0.4456



Deuteranomaly

39.6092, 0.3369, 0.4208



Tritanomaly

42.0954, 0.2497, 0.3621

Monochromacy



Original Color

42.6948, 0.2752, 0.4764



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.9187, 0.2902, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6948, 0.2752, 0.4764 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(50, 199, 112)` looks like.

```
.text, #text, p{  
    color:rgb(50, 199, 112)  
}
```

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(50, 199, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 199, 112) }
```

Border

The CSS property to change the border of an element to Yxy 42.6948, 0.2752, 0.4764 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(50, 199, 112) }
```

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

```
.border{ border-color:rgb(50, 199, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 199, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 199, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 199, 112);  
box-shadow:4px 4px 4px 4px rgb(50, 199,  
112) }
```


Background

The CSS property to change the background color of an element to Rgb 42.6948, 0.2752, 0.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 199, 112) }
```

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

```
.background{ background-color: rgb(50, 199,  
112) }
```

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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