

Converting Colors

$Y_{xy}(42.4119, 0.2725, 0.4516)$

Have a look what the booklet for
Yxy(42.4119, 0.2725, 0.4516)
contains.

Yxy(42.4119, 0.2725, 0.4516)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4119, 0.2725, 0.4516)

Conversions

Conversions Part 1

Format	Color
Hex	3EC57C
RGB	62, 197, 124
RGB Percent	24%, 77%, 49%
CMY	0.7568, 0.2274, 0.5137
CMYK	0.69, 0.00, 0.37, 0.23
HSL	148°, 54%, 51%
HSV	148°, 69%, 77%
XYZ	25.5918, 42.4119, 25.9111
YIQ	148.3130, -57.0270, -51.3230

Conversions

Conversions Part 2

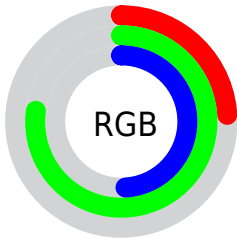
Format	Color
RYB	62, 155, 197
Decimal	4113788
CIELab	71.15, -52.80, 26.33
CIELCh	71, 58.997, 153.497
Yxy	42.4119, 0.2725, 0.4516
Android (android.graphics.Color)	4282303868 (0xFF3EC57C)
YUV	148.3130, -11.9863, -75.6965
Hunter-Lab	65.1244, -43.8231, 21.9974

Details

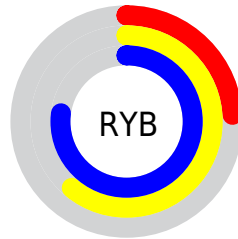
The Yxy color **42.4119, 0.2725, 0.4516** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **17.0654, 0.4110, 0.2408**, and the grayscale version is **29.8225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0543, 0.2814, 0.4266**, and **19.8404, 0.2695, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **41.6329, 0.2718, 0.4727**, and if you desaturate by 10%, it is **43.4542, 0.2751, 0.4305**.

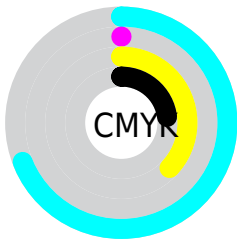
Distribution



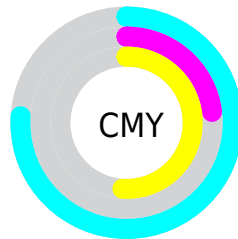
- Red (24%)
- Green (77%)
- Blue (49%)



- Red (24%)
- Yellow (61%)
- Blue (77%)



- Cyan (69%)
- Magenta (0%)
- Yellow (37%)
- Black (23%)





- Cyan (76%)
- Magenta (23%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4119, 0.2725, 0.4516 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 42.4119, 0.2725, 0.4516 by changing the saturation by 10% instead.


 42.4119, 0.2725,
0.4516

 42.4119, 0.2725,
0.4516


356.1876, 0.2951,
0.3850

 29.4240, 0.2659,
0.4700


 78.8226, 0.2814,
0.4261

 19.4018, 0.2570,
0.4946

 103.0142, 0.2845,
0.4169


 11.9609, 0.2440,
0.5292


 131.7091, 0.2871,
0.4093

 6.7171, 0.2239,
0.5807

 165.2918, 0.2892,
0.4029

 3.2858, 0.1906,
0.6657

 204.1466, 0.2911,
0.3974

 1.2827, 0.0000,
1.0000

248.6579, 0.2926,

 0.1278, 0.0000,

0.3927

1.0000

299.2101, 0.2940,
0.3886

■ 0.0000, 0.0000,
0.0000

■ 42.4119, 0.2725,
0.4516

■ 42.4119, 0.2725,
0.4516

■ 41.6329, 0.2718,
0.4727

■ 43.4542, 0.2751,
0.4305

■ 41.0848, 0.2730,
0.4931

■ 44.7780, 0.2793,
0.4099

■ 40.7262, 0.2759,
0.5122

■ 46.4055, 0.2849,
0.3904

■ 40.6803, 0.2764,
0.5149

■ 48.3553, 0.2914,
0.3722

■ 50.6446, 0.2986,
0.3555

■ 53.2892, 0.3061,
0.3405

■ 56.3038, 0.3139,
0.3271

■ 59.7025, 0.3216,
0.3152

■ 63.4985, 0.3291,
0.3048

Harmonies

Analogous

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



42.4119, 0.3523, 0.4865



42.4119, 0.2725, 0.4516



42.4119, 0.2081, 0.3651

Triad

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



42.4119, 0.2725, 0.4516



42.4119, 0.1990, 0.2035



42.4119, 0.4744, 0.3450

Complementary

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



42.4119, 0.2725, 0.4516



17.0654, 0.4110, 0.2408

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.



42.4119, 0.4223, 0.2871



42.4119, 0.2725, 0.4516



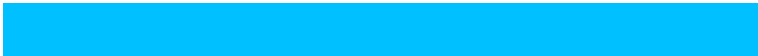
42.4119, 0.2559, 0.2098

Square

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



42.4119, 0.2725, 0.4516



42.4119, 0.1717, 0.2247



42.4119, 0.3376, 0.2394



42.4119, 0.4731, 0.4062

Rectangle

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



42.4119, 0.2725, 0.4516



42.4119, 0.1817, 0.3048



42.4119, 0.3376, 0.2394



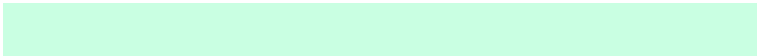
42.4119, 0.4626, 0.3250

Sweetspot

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



42.4136, 0.2725, 0.4516



89.4936, 0.2965, 0.3600



45.5370, 0.3515, 0.5158



18.9063, 0.2945, 0.3647



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.



42.4136, 0.2725, 0.4516



74.0501, 0.2721, 0.4825



44.6867, 0.2373, 0.3391



11.9676, 0.3055, 0.3418



26.7730, 0.2757, 0.5126



1.2823, 0.2645, 0.4721

Inverse Universe

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



17.0654, 0.4110, 0.2408



25.7076, 0.4432, 0.2351



15.7430, 0.5287, 0.3224



10.7312, 0.3207, 0.3166



8.5161, 0.4769, 0.2401



0.4177, 0.4358, 0.2174

Previews

White Background



This preview shows how the Yxy color 42.4119, 0.2725, 0.4516 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 42.4119, 0.2725, 0.4516 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 42.4119, 0.2725, 0.4516

Background



This preview shows how black text looks on a background with the Yxy color 42.4119, 0.2725, 0.4516.



This preview shows how white text looks on a background with the Yxy color 42.4119, 0.2725, 0.4516.

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

42.4119, 0.2725, 0.4516

Protanopia

41.7934, 0.3779, 0.4079

Deuteranopia

41.6076, 0.3808, 0.3740



Tritanopia

42.0766, 0.2384, 0.3053

Trichromacy



Original Color

42.4119, 0.2725, 0.4516



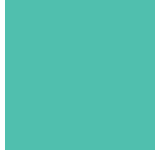
Protanomaly

40.5147, 0.3280, 0.4265



Deuteranomaly

39.6782, 0.3303, 0.4024



Tritanomaly

42.0231, 0.2502, 0.3555

Monochromacy



Original Color

42.4119, 0.2725, 0.4516



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.9184, 0.2913, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4119, 0.2725, 0.4516 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(62, 197, 124)` looks like.

```
.text, #text, p{  
    color:rgb(62, 197, 124)  
}
```

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(62, 197, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 197, 124) }
```

Border

The CSS property to change the border of an element to Yxy 42.4119, 0.2725, 0.4516 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(62, 197, 124) }
```

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

```
.border{ border-color:rgb(62, 197, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 197, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 197, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 197, 124);  
box-shadow:4px 4px 4px 4px rgb(62, 197,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4119, 0.2725, 0.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 197, 124) }
```

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

```
.background{ background-color: rgb(62, 197,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor