

Converting Colors

$Y_{xy}(41.4000, 0.3215, 0.4466)$

Have a look what the booklet for
Yxy(41.4000, 0.3215, 0.4466)
contains.

Yxy(41.4342, 0.3218, 0.4468)	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(41.4342, 0.3218, 0.4468)

Conversions

Conversions Part 1

Format	Color
Hex	82BB6F
RGB	130, 187, 111
RGB Percent	51%, 73%, 44%
CMY	0.4903, 0.2666, 0.5648
CMYK	0.30, 0.00, 0.41, 0.27
HSL	105°, 36%, 58%
HSV	105°, 41%, 73%
XYZ	29.8423, 41.4342, 21.4590
YIQ	161.2930, -9.5760, -35.7200

Conversions

Conversions Part 2

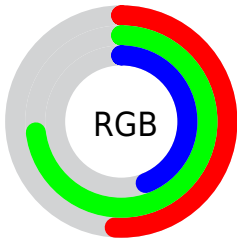
Format	Color
RYB	111, 187, 168
Decimal	8567663
CIELab	70.48, -32.92, 32.71
CIELCh	70, 46.409, 135.181
Yxy	41.4342, 0.3218, 0.4468
Android (android.graphics.Color)	4286757743 (0xFF82BB6F)
YUV	161.2930, -24.7944, -27.4440
Hunter-Lab	64.3694, -29.8922, 25.2929

Details

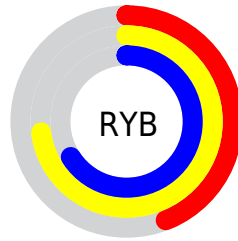
The Yxy color **41.4342, 0.3218, 0.4468** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.2807, 0.2963, 0.2239**, and the grayscale version is **35.9032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0958, 0.3215, 0.4218**, and **18.7426, 0.3207, 0.4848** is the 20% darker color. If you saturate the color by 10%, you get **40.0317, 0.3225, 0.4797**, and if you desaturate by 10%, it is **43.0777, 0.3202, 0.4145**.

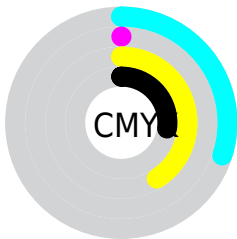
Distribution



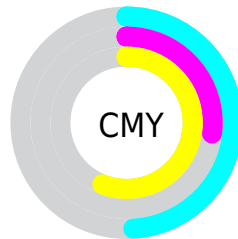
- Red (51%)
- Green (73%)
- Blue (44%)



- Red (44%)
- Yellow (73%)
- Blue (66%)



- Cyan (30%)
- Magenta (0%)
- Yellow (41%)
- Black (27%)



- Cyan (49%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4342, 0.3218, 0.4468 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 41.4342, 0.3218, 0.4468 by changing the saturation by 10% instead.


 41.4342, 0.3218,
0.4468

 41.4342, 0.3218,
0.4468

352.1321, 0.3193,
0.3837


 28.6585, 0.3215,
0.4638


 77.3426, 0.3215,
0.4229


 18.8226, 0.3205,
0.4863


 101.2441, 0.3212,
0.4142

 11.5422, 0.3179,
0.5172


 129.6230, 0.3209,
0.4070

 6.4328, 0.3116,
0.5617

 162.8636, 0.3206,
0.4009

 3.1100, 0.3074,
0.6544

201.3505, 0.3202,
0.3956

 1.1894, 0.2009,
0.7991

245.4679, 0.3199,

 0.0530, 0.0000,

0.3911

1.0000

295.6003, 0.3196,
0.3872

■ 0.0000, 0.0000,
0.0000

■ 41.4342, 0.3218,
0.4468

■ 41.4342, 0.3218,
0.4468

■ 40.0317, 0.3225,
0.4797

■ 43.0777, 0.3202,
0.4145

■ 38.8534, 0.3222,
0.5117

■ 44.9677, 0.3181,
0.3840

■ 37.8886, 0.3206,
0.5406

■ 47.1158, 0.3156,
0.3559


■ 37.1234, 0.3178,
0.5644

■ 49.5316, 0.3129,
0.3306


■ 36.5420, 0.3140,
0.5815


■ 52.2240, 0.3101,
0.3080

 36.1422, 0.3101,
0.5920

 55.2015, 0.3074,
0.2881

 58.4724, 0.3047,
0.2707

 61.6789, 0.3061,
0.2604

 64.0245, 0.3158,
0.2624

Harmonies

Analogous

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



41.4342, 0.3853, 0.4478



41.4342, 0.3218, 0.4468



41.4342, 0.2592, 0.4007

Triad

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



41.4342, 0.3218, 0.4468



41.4342, 0.2025, 0.2348



41.4342, 0.4201, 0.3145

Complementary

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



41.4342, 0.3218, 0.4468



23.2807, 0.2963, 0.2239

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.



41.4342, 0.3606, 0.2698



41.4342, 0.3218, 0.4468



41.4342, 0.2357, 0.2252

Square

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



41.4342, 0.3218, 0.4468



41.4342, 0.1949, 0.2701



41.4342, 0.2918, 0.2381



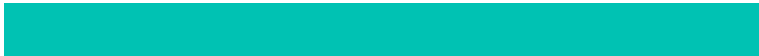
41.4342, 0.4467, 0.3652

Rectangle

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



41.4342, 0.3218, 0.4468



41.4342, 0.2264, 0.3543



41.4342, 0.2918, 0.2381



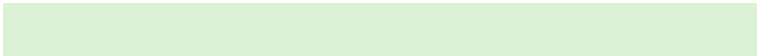
41.4342, 0.4030, 0.2986

Sweetspot

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



41.4360, 0.3218, 0.4468



83.7512, 0.3160, 0.3600



39.7198, 0.3820, 0.4061



18.3287, 0.3163, 0.3636



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.4360, 0.3218, 0.4468



71.8890, 0.3225, 0.4769



40.5345, 0.2943, 0.4208



10.7617, 0.3153, 0.3524



24.9290, 0.3108, 0.5914



1.0085, 0.3291, 0.5769

Inverse Universe

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



23.2807, 0.2963, 0.2239



34.8136, 0.2911, 0.2005



24.7590, 0.3390, 0.2524



9.5730, 0.3099, 0.3061



6.3660, 0.2591, 0.1201



0.2785, 0.2747, 0.1287

Previews

White Background



This preview shows how the Yxy color 41.4342, 0.3218, 0.4468 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 41.4342, 0.3218, 0.4468 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 41.4342, 0.3218, 0.4468

Background



This preview shows how black text looks on a background with the Yxy color 41.4342, 0.3218, 0.4468.



This preview shows how white text looks on a background with the Yxy color 41.4342, 0.3218, 0.4468.

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

41.4342, 0.3218, 0.4468

Protanopia

41.0898, 0.3849, 0.4185

Deuteranopia

40.7910, 0.3978, 0.3900



Tritanopia

41.1793, 0.2746, 0.3078

Trichromacy



Original Color

41.4342, 0.3218, 0.4468

Protanomaly

40.6128, 0.3602, 0.4290

Deuteranomaly

40.1849, 0.3685, 0.4096

Tritanomaly

41.1811, 0.2918, 0.3557

Monochromacy



Original Color

41.4342, 0.3218, 0.4468

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.2167, 0.3172, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4342, 0.3218, 0.4468 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(130, 187, 111)` looks like.

```
.text, #text, p{  
    color:rgb(130, 187, 111)  
}
```

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(130, 187, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 187, 111) }
```

Border

The CSS property to change the border of an element to Yxy 41.4342, 0.3218, 0.4468 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(130, 187, 111) }
```

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

```
.border{ border-color:rgb(130, 187, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 187, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 187, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 187, 111);  
box-shadow:4px 4px 4px 4px rgb(130, 187,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4342, 0.3218, 0.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 187, 111) }
```

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

```
.background{ background-color: rgb(130,  
187, 111) }
```

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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