

Converting Colors

$Y_{xy}(42.2205, 0.2563, 0.3887)$

Have a look what the booklet for
Yxy(42.2205, 0.2563, 0.3887)
contains.

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Color

Yxy(42.3200, 0.2564, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	46C29D
RGB	70, 194, 157
RGB Percent	27%, 76%, 62%
CMY	0.7256, 0.2392, 0.3843
CMYK	0.64, 0.00, 0.19, 0.24
HSL	162°, 50%, 52%
HSV	162°, 64%, 76%
XYZ	27.9014, 42.3200, 38.5984
YIQ	152.7060, -62.0270, -37.7950

Conversions

Conversions Part 2

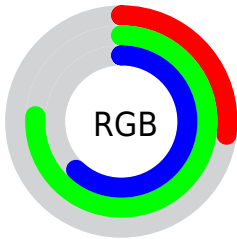
Format	Color
RYB	70, 143, 194
Decimal	4637341
CIELab	71.09, -43.09, 8.61
CIELCh	71, 43.942, 168.700
Yxy	42.3200, 0.2564, 0.3889
Android (android.graphics.Color)	4282827421 (0xFF46C29D)
YUV	152.7060, 2.1169, -72.5332
Hunter-Lab	65.0538, -37.2861, 10.3592

Details

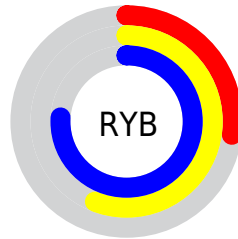
The Yxy color **42.3200, 0.2564, 0.3889** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.9064, 0.4535, 0.2830**, and the grayscale version is **31.7280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5731, 0.2669, 0.3763**, and **19.5058, 0.2459, 0.4054** is the 20% darker color. If you saturate the color by 10%, you get **41.5204, 0.2529, 0.4001**, and if you desaturate by 10%, it is **43.3652, 0.2618, 0.3779**.

Distribution



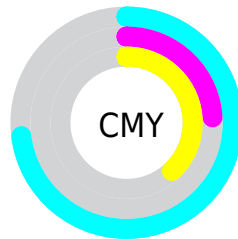
- Red (27%)
- Green (76%)
- Blue (62%)



- Red (27%)
- Yellow (56%)
- Blue (76%)



- Cyan (64%)
- Magenta (0%)
- Yellow (19%)
- Black (24%)





- Cyan (73%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3200, 0.2564, 0.3889 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 42.3200, 0.2564, 0.3889 by changing the saturation by 10% instead.

 42.3200, 0.2564,
0.3889

 42.3200, 0.2564,
0.3889


355.8077, 0.2854,
0.3574


 29.3519, 0.2489,
0.3973


 78.6837, 0.2671,
0.3771


 19.3472, 0.2392,
0.4083


 102.8481, 0.2711,
0.3728

 11.9214, 0.2260,
0.4236


 131.5135, 0.2744,
0.3692

 6.6902, 0.2072,
0.4459

 165.0641, 0.2773,
0.3661

 3.2691, 0.1784,
0.4817

 203.8845, 0.2797,
0.3635

 1.2738, 0.0542,
0.5998

248.3590, 0.2818,

 0.1208, 0.0000,

0.3612

1.0000

298.8719, 0.2837,
0.3592

■ 0.0000, 0.0000,
0.0000

■ 42.3200, 0.2564,
0.3889

■ 42.3200, 0.2564,
0.3889

■ 41.5204, 0.2529,
0.4001

■ 43.3652, 0.2618,
0.3779

■ 40.9380, 0.2513,
0.4115

■ 44.6715, 0.2689,
0.3674

■ 40.5459, 0.2518,
0.4227

■ 46.2587, 0.2774,
0.3574

■ 40.3680, 0.2526,
0.4294

■ 48.1433, 0.2869,
0.3481

■ 50.3407, 0.2974,
0.3396

■ 52.8651, 0.3083,
0.3318

■ 55.7296, 0.3196,
0.3249

■ 58.9469, 0.3309,
0.3186

■ 62.5290, 0.3421,
0.3131

Harmonies

Analogous

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



42.3200, 0.3145, 0.4361



42.3200, 0.2564, 0.3889



42.3200, 0.2160, 0.3233

Triad

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



42.3200, 0.2564, 0.3889



42.3200, 0.2452, 0.2309



42.3200, 0.4392, 0.3697

Complementary

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



42.3200, 0.2564, 0.3889



16.9064, 0.4535, 0.2830

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.



42.3200, 0.4185, 0.3212



42.3200, 0.2564, 0.3889



42.3200, 0.3005, 0.2455

Square

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



42.3200, 0.2564, 0.3889



42.3200, 0.2107, 0.2377



42.3200, 0.3654, 0.2775



42.3200, 0.4218, 0.4146

Rectangle

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



42.3200, 0.2564, 0.3889



42.3200, 0.2028, 0.2844



42.3200, 0.3654, 0.2775



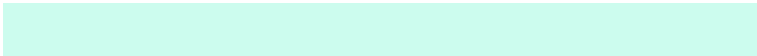
42.3200, 0.4367, 0.3534

Sweetspot

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



42.3217, 0.2564, 0.3889



88.9912, 0.2917, 0.3441



42.1648, 0.3262, 0.5194



19.2406, 0.2887, 0.3466



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.



42.3217, 0.2564, 0.3889



74.7214, 0.2520, 0.4050



33.6454, 0.2278, 0.2894



11.3756, 0.3023, 0.3360



26.5538, 0.2522, 0.4280



1.1590, 0.2453, 0.4031

Inverse Universe

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



16.9064, 0.4535, 0.2830



25.0741, 0.5050, 0.2815



20.0550, 0.4924, 0.3601



10.1262, 0.3243, 0.3222



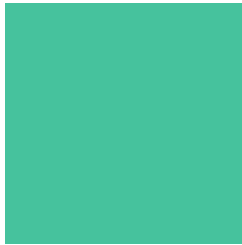
7.7535, 0.5743, 0.2937



0.3475, 0.5088, 0.2577

Previews

White Background



This preview shows how the Yxy color 42.3200, 0.2564, 0.3889 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 42.3200, 0.2564, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

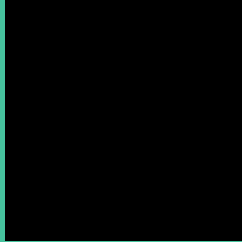
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3200, 0.2564, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 42.3200, 0.2564, 0.3889.



This preview shows how white text looks on a background with the Yxy color 42.3200, 0.2564, 0.3889.

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

42.3200, 0.2564, 0.3889

Protanopia

41.5255, 0.3444, 0.3646

Deuteranopia

41.6192, 0.3408, 0.3343



Tritanopia

42.3529, 0.2374, 0.3067

Trichromacy



Original Color

42.3200, 0.2564, 0.3889



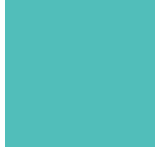
Protanomaly

40.5072, 0.3031, 0.3742



Deuteranomaly

40.3134, 0.3005, 0.3525



Tritanomaly

42.1214, 0.2439, 0.3349

Monochromacy



Original Color

42.3200, 0.2564, 0.3889



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.5493, 0.2848, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3200, 0.2564, 0.3889 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(70, 194, 157)` looks like.

```
.text, #text, p{  
  color:rgb(70, 194, 157)  
}
```

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(70, 194, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 194, 157) }
```

Border

The CSS property to change the border of an element to Yxy 42.3200, 0.2564, 0.3889 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(70, 194, 157) }
```

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

```
.border{ border-color:rgb(70, 194, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 194, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 194, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 194, 157);  
box-shadow:4px 4px 4px 4px rgb(70, 194,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3200, 0.2564, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 194, 157) }
```

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

```
.background{ background-color: rgb(70, 194,  
157) }
```

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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