

Converting Colors

$Y_{xy}(25.5239, 0.3763, 0.4786)$

Have a look what the booklet for
Yxy(25.5239, 0.3763, 0.4786)
contains.

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Color

Yxy(25.5203, 0.3763, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	819239
RGB	129, 146, 57
RGB Percent	51%, 57%, 22%
CMY	0.4942, 0.4274, 0.7763
CMYK	0.12, 0.00, 0.61, 0.43
HSL	71°, 44%, 40%
HSV	71°, 61%, 57%
XYZ	20.0696, 25.5203, 7.7441
YIQ	130.7710, 18.4370, -31.2830

Conversions

Conversions Part 2

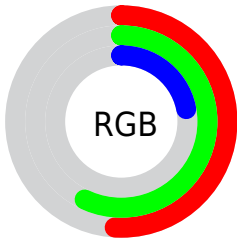
Format	Color
RYB	57, 146, 74
Decimal	8491577
CIELab	57.58, -19.41, 44.00
CIElCh	58, 48.088, 113.807
Yxy	25.5203, 0.3763, 0.4785
Android (android.graphics.Color)	4286681657 (0xFF819239)
YUV	130.7710, -36.3691, -1.5532
Hunter-Lab	50.5176, -17.4916, 26.2735

Details

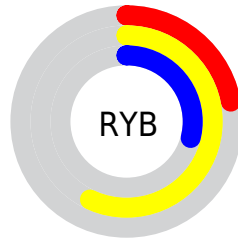
The Yxy color **25.5203, 0.3763, 0.4785** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.4643, 0.2161, 0.1473**, and the grayscale version is **22.7392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5816, 0.3662, 0.4465**, and **9.9457, 0.3864, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **25.1802, 0.3822, 0.4977**, and if you desaturate by 10%, it is **25.9106, 0.3683, 0.4562**.

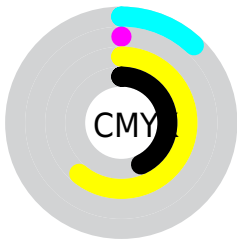
Distribution



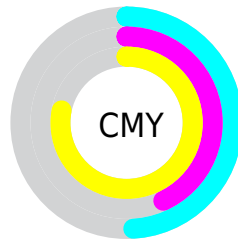
- Red (51%)
- Green (57%)
- Blue (22%)



- Red (22%)
- Yellow (57%)
- Blue (29%)



- Cyan (12%)
- Magenta (0%)
- Yellow (61%)
- Black (43%)





- Cyan (49%)
- Magenta (43%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5203, 0.3763, 0.4785 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 25.5203, 0.3763, 0.4785 by changing the saturation by 10% instead.

 25.5203, 0.3763,
0.4785


 25.5203, 0.3763,
0.4785


280.4193, 0.3457,
0.3955


 16.4651, 0.3820,
0.5010


 52.5001, 0.3662,
0.4467


 9.8539, 0.3871,
0.5300


 71.1934, 0.3620,
0.4352


 5.3022, 0.3956,
0.5773

 93.8683, 0.3583,
0.4257

 2.4256, 0.3816,
0.6184

 120.9091, 0.3551,
0.4177

 0.8390, 0.2783,
0.7217

 152.7002, 0.3523,
0.4108

 0.0000, 0.0000,
0.0000

 189.6260, 0.3498,

0.4050

232.0709, 0.3476,
0.3999

■ 25.5203, 0.3763,
0.4785

■ 25.5203, 0.3763,
0.4785

■ 25.1802, 0.3822,
0.4977

■ 25.9106, 0.3683,
0.4562

■ 24.8831, 0.3858,
0.5130

■ 26.3510, 0.3587,
0.4318

■ 24.6257, 0.3869,
0.5240

■ 26.8456, 0.3480,
0.4062

■ 24.4162, 0.3865,
0.5313

■ 27.3971, 0.3367,
0.3805

■ 28.0081, 0.3252,
0.3553

■ 28.6810, 0.3138,
0.3312

■ 29.4180, 0.3028,
0.3085

■ 30.2211, 0.2923,
0.2875

■ 31.0925, 0.2825,
0.2681

Harmonies

Analogous

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



25.5203, 0.4413, 0.4422



25.5203, 0.3763, 0.4785



25.5203, 0.2986, 0.4648

Triad

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



25.5203, 0.3763, 0.4785



25.5203, 0.1732, 0.2414



25.5203, 0.3940, 0.2720

Complementary

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



25.5203, 0.3763, 0.4785



6.4643, 0.2161, 0.1473

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.



25.5203, 0.3097, 0.2304



25.5203, 0.3763, 0.4785



25.5203, 0.1906, 0.2107

Square

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



25.5203, 0.3763, 0.4785



25.5203, 0.1853, 0.3052



25.5203, 0.2368, 0.2085



25.5203, 0.4579, 0.3263

Rectangle

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



25.5203, 0.3763, 0.4785



25.5203, 0.2500, 0.4217



25.5203, 0.2368, 0.2085



25.5203, 0.3663, 0.2563

Sweetspot

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



25.5215, 0.3763, 0.4785



48.5934, 0.3337, 0.3739



11.2189, 0.4767, 0.3565



10.7494, 0.3367, 0.3807



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



25.5215, 0.3763, 0.4785



44.2220, 0.3838, 0.5036



22.7970, 0.3280, 0.5057



6.6892, 0.3232, 0.3511



21.4933, 0.3867, 0.5312



0.2746, 0.4034, 0.5179

Inverse Universe

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



6.4643, 0.2161, 0.1473



7.6149, 0.1923, 0.1091



8.8458, 0.2759, 0.1731



5.6832, 0.3017, 0.3063



2.0505, 0.1607, 0.0659



0.0349, 0.1956, 0.0851

Previews

White Background



This preview shows how the Yxy color 25.5203, 0.3763, 0.4785 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5203, 0.3763, 0.4785 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 × Fail

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

Yxy 25.5203, 0.3763, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 25.5203, 0.3763, 0.4785.



This preview shows how white text looks on a background with the Yxy color 25.5203, 0.3763, 0.4785.

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

25.5203, 0.3763, 0.4785

Protanopia

25.3228, 0.4147, 0.4545

Deuteranopia

25.2274, 0.4372, 0.4283



Tritanopia

25.5184, 0.3038, 0.3109

Trichromacy



Original Color

25.5203, 0.3763, 0.4785

Protanomaly

25.3550, 0.4003, 0.4631

Deuteranomaly

25.0025, 0.4151, 0.4449

Tritanomaly

25.1449, 0.3328, 0.3725

Monochromacy



Original Color

25.5203, 0.3763, 0.4785

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.3536, 0.3396, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5203, 0.3763, 0.4785 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(129, 146, 57)` looks like.

```
.text, #text, p{  
    color:rgb(129, 146, 57)  
}
```

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(129, 146, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 146, 57) }
```

Border

The CSS property to change the border of an element to Yxy 25.5203, 0.3763, 0.4785 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(129, 146, 57) }
```

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

```
.border{ border-color:rgb(129, 146, 57) }
```

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

Here you see how a box with a 4 pixel rgb(129, 146, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 146, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 146, 57);  
box-shadow:4px 4px 4px 4px rgb(129, 146,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5203, 0.3763, 0.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 146, 57) }
```

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

```
.background{ background-color: rgb(129,  
146, 57) }
```

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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