

Converting Colors

$Y_{xy}(22.9410, 0.2552, 0.3878)$

Have a look what the booklet for
Yxy(22.9410, 0.2552, 0.3878)
contains.

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Color

Yxy(22.8523, 0.2549, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	319377
RGB	49, 147, 119
RGB Percent	19%, 58%, 47%
CMY	0.8081, 0.4235, 0.5333
CMYK	0.67, 0.00, 0.19, 0.42
HSL	163°, 50%, 38%
HSV	163°, 67%, 58%
XYZ	15.0285, 22.8523, 21.0777
YIQ	114.5060, -49.4200, -29.4840

Conversions

Conversions Part 2

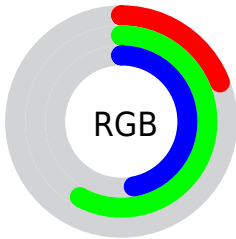
Format	Color
RYB	49, 106, 147
Decimal	3249015
CIELab	54.92, -35.32, 6.58
CIElCh	55, 35.924, 169.446
Yxy	22.8523, 0.2549, 0.3876
Android (android.graphics.Color)	4281439095 (0xFF319377)
YUV	114.5060, 2.2155, -57.4488
Hunter-Lab	47.8041, -27.5408, 7.3209

Details

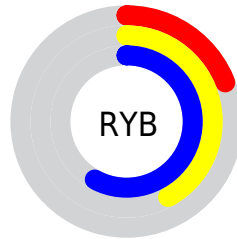
The Yxy color **22.8523, 0.2549, 0.3876** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.9294, 0.4612, 0.2847**, and the grayscale version is **16.9870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3071, 0.2680, 0.3748**, and **8.6394, 0.2464, 0.4071** is the 20% darker color. If you saturate the color by 10%, you get **22.4473, 0.2516, 0.3981**, and if you desaturate by 10%, it is **23.3827, 0.2600, 0.3773**.

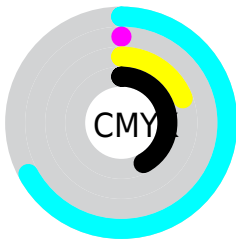
Distribution



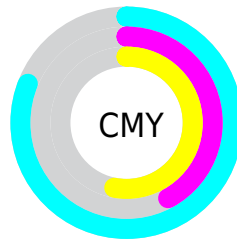
- Red (19%)
- Green (58%)
- Blue (47%)



- Red (19%)
- Yellow (42%)
- Blue (58%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (42%)



- Cyan (81%)
- Magenta (42%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8523, 0.2549, 0.3876 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 22.8523, 0.2549, 0.3876 by changing the saturation by 10% instead.

■ 22.8523, 0.2549,
0.3876

■ 22.8523, 0.2549,
0.3876

■ 266.9655, 0.2876,
0.3539

■ 14.4845, 0.2452,
0.3979

■ 48.1507, 0.2678,
0.3741

■ 8.4584, 0.2317,
0.4126

■ 65.8501, 0.2723,
0.3694

■ 4.3896, 0.2116,
0.4352

■ 87.4287, 0.2760,
0.3656

■ 1.8938, 0.1774,
0.4746

■ 113.2711, 0.2791,
0.3624

■ 0.5447, 0.0000,
0.8037

■ 143.7616, 0.2817,
0.3598

■ 0.0000, 0.0000,
0.0000

■ 179.2845, 0.2839,

0.3575

220.2244, 0.2859,
0.3556

■ 22.8523, 0.2549,
0.3876

■ 22.8523, 0.2549,
0.3876

■ 22.4473, 0.2516,
0.3981

■ 23.3827, 0.2600,
0.3773

■ 22.1529, 0.2502,
0.4087

■ 24.0464, 0.2668,
0.3674

■ 21.9504, 0.2505,
0.4191

■ 24.8536, 0.2750,
0.3580

■ 21.8906, 0.2507,
0.4226

■ 25.8130, 0.2843,
0.3492

■ 26.9323, 0.2945,
0.3410

■ 28.2189, 0.3053,
0.3336

■ 29.6796, 0.3164,
0.3269

■ 31.3209, 0.3277,
0.3208

■ 33.1488, 0.3389,
0.3155

Harmonies

Analogous

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



22.8523, 0.3129, 0.4358



22.8523, 0.2549, 0.3876



22.8523, 0.2149, 0.3217

Triad

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



22.8523, 0.2549, 0.3876



22.8523, 0.2461, 0.2307



22.8523, 0.4397, 0.3710

Complementary

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



22.8523, 0.2549, 0.3876



8.9294, 0.4612, 0.2847

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.



22.8523, 0.4199, 0.3223



22.8523, 0.2549, 0.3876



22.8523, 0.3020, 0.2458

Square

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



22.8523, 0.2549, 0.3876



22.8523, 0.2109, 0.2369



22.8523, 0.3672, 0.2783



22.8523, 0.4213, 0.4158

Rectangle

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



22.8523, 0.2549, 0.3876



22.8523, 0.2022, 0.2830



22.8523, 0.3672, 0.2783



22.8523, 0.4375, 0.3547

Sweetspot

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



22.8532, 0.2549, 0.3876



47.4520, 0.2906, 0.3440



22.7254, 0.3261, 0.5234



10.7154, 0.2880, 0.3461



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.8532, 0.2549, 0.3876



39.9127, 0.2507, 0.4033



18.0383, 0.2265, 0.2884



6.5343, 0.3025, 0.3354



18.9805, 0.2506, 0.4220



0.2374, 0.2371, 0.3737

Inverse Universe

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



8.9294, 0.4612, 0.2847



13.1189, 0.5152, 0.2844



10.6257, 0.4981, 0.3603



5.8410, 0.3240, 0.3227



5.5262, 0.5755, 0.2944



0.0722, 0.4697, 0.2361

Previews

White Background



This preview shows how the Yxy color 22.8523, 0.2549, 0.3876 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 22.8523, 0.2549, 0.3876 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 22.8523, 0.2549, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 22.8523, 0.2549, 0.3876.



This preview shows how white text looks on a background with the Yxy color 22.8523, 0.2549, 0.3876.

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

22.8523, 0.2549, 0.3876

Protanopia

22.4094, 0.3434, 0.3645

Deuteranopia

22.4879, 0.3393, 0.3325



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8523, 0.2549, 0.3876



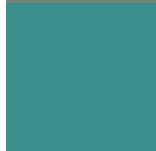
Protanomaly

21.8038, 0.3020, 0.3739



Deuteranomaly

21.8348, 0.2995, 0.3517



Tritanomaly

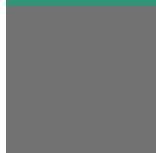
22.7994, 0.2435, 0.3347

Monochromacy



Original Color

22.8523, 0.2549, 0.3876



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

18.3563, 0.2826, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8523, 0.2549, 0.3876 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(49, 147, 119)` looks like.

```
.text, #text, p{  
    color:rgb(49, 147, 119)  
}
```

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(49, 147, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 147, 119) }
```

Border

The CSS property to change the border of an element to Yxy 22.8523, 0.2549, 0.3876 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(49, 147, 119) }
```

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

```
.border{ border-color:rgb(49, 147, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 147, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 147, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 147, 119);  
box-shadow:4px 4px 4px 4px rgb(49, 147,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8523, 0.2549, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 147, 119) }
```

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

```
.background{ background-color: rgb(49, 147,  
119) }
```

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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