

Converting Colors

$Y_{xy}(22.9175, 0.2582, 0.3824)$

Have a look what the booklet for
Yxy(22.9175, 0.2582, 0.3824)
contains.

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Color

Yxy(22.8378, 0.2579, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	3A9279
RGB	58, 146, 121
RGB Percent	23%, 57%, 47%
CMY	0.7729, 0.4274, 0.5255
CMYK	0.60, 0.00, 0.17, 0.43
HSL	163°, 43%, 40%
HSV	163°, 60%, 57%
XYZ	15.4712, 22.8378, 21.6800
YIQ	116.8380, -44.4230, -26.4310

Conversions

Conversions Part 2

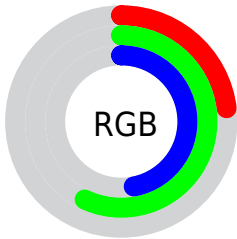
Format	Color
RYB	58, 109, 146
Decimal	3838585
CIELab	54.90, -32.62, 5.46
CIElCh	55, 33.077, 170.495
Yxy	22.8378, 0.2579, 0.3807
Android (android.graphics.Color)	4282028665 (0xFF3A9279)
YUV	116.8380, 2.0519, -51.6009
Hunter-Lab	47.7889, -25.8431, 6.5546

Details

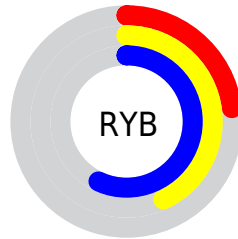
The Yxy color **22.8378, 0.2579, 0.3807** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7536, 0.4397, 0.2873**, and the grayscale version is **17.7342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9031, 0.2703, 0.3686**, and **8.6655, 0.2445, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **22.3625, 0.2534, 0.3910**, and if you desaturate by 10%, it is **23.4433, 0.2641, 0.3707**.

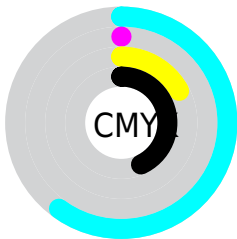
Distribution



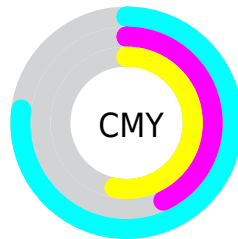
- Red (23%)
- Green (57%)
- Blue (47%)



- Red (23%)
- Yellow (43%)
- Blue (57%)



- Cyan (60%)
- Magenta (0%)
- Yellow (17%)
- Black (43%)





- Cyan (77%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8378, 0.2579, 0.3807 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 22.8378, 0.2579, 0.3807 by changing the saturation by 10% instead.


 22.8378, 0.2579,
0.3807


 22.8378, 0.2579,
0.3807


266.8908, 0.2888,
0.3511


 14.4738, 0.2488,
0.3897


 48.1269, 0.2701,
0.3688

 8.4509, 0.2360,
0.4025


 65.8207, 0.2744,
0.3647

 4.3848, 0.2171,
0.4220

 87.3933, 0.2779,
0.3614

 1.8911, 0.1859,
0.4555

 113.2289, 0.2808,
0.3586

 0.5430, 0.0000,
0.7217

 143.7121, 0.2832,
0.3563

 0.0000, 0.0000,
0.0000

179.2273, 0.2854,

0.3543

220.1587, 0.2872,
0.3526

■ 22.8378, 0.2579,
0.3807

■ 22.8378, 0.2579,
0.3807

■ 22.3625, 0.2534,
0.3910

■ 23.4433, 0.2641,
0.3707

■ 22.0039, 0.2508,
0.4015

■ 24.1860, 0.2718,
0.3612

■ 21.7501, 0.2500,
0.4120

■ 25.0753, 0.2808,
0.3522

■ 21.5718, 0.2506,
0.4221

■ 26.1193, 0.2907,
0.3438

■ 27.3254, 0.3013,
0.3362

■ 28.7003, 0.3123,
0.3292

■ 30.2506, 0.3236,
0.3230

■ 31.9825, 0.3349,
0.3174

■ 33.9017, 0.3460,
0.3124

Harmonies

Analogous

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



22.8378, 0.3114, 0.4256



22.8378, 0.2579, 0.3807



22.8378, 0.2212, 0.3207

Triad

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



22.8378, 0.2579, 0.3807



22.8378, 0.2526, 0.2377



22.8378, 0.4299, 0.3704

Complementary

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



22.8378, 0.2579, 0.3807



9.7536, 0.4397, 0.2873

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.



22.8378, 0.4126, 0.3249



22.8378, 0.2579, 0.3807



22.8378, 0.3051, 0.2524

Square

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



22.8378, 0.2579, 0.3807



22.8378, 0.2189, 0.2431



22.8378, 0.3650, 0.2833



22.8378, 0.4122, 0.4113

Rectangle

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



22.8378, 0.2579, 0.3807



22.8378, 0.2096, 0.2854



22.8378, 0.3650, 0.2833



22.8378, 0.4281, 0.3553

Sweetspot

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



22.8387, 0.2579, 0.3807



46.4654, 0.2927, 0.3423



22.7668, 0.3265, 0.5047



10.2197, 0.2900, 0.3444



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.



22.8387, 0.2579, 0.3807



39.2245, 0.2524, 0.3943



18.5139, 0.2326, 0.2929



6.5344, 0.3025, 0.3354



18.9841, 0.2504, 0.4215



0.2374, 0.2371, 0.3735

Inverse Universe

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



9.7536, 0.4397, 0.2873



14.0743, 0.4856, 0.2838



11.5222, 0.4725, 0.3588



5.8409, 0.3240, 0.3227



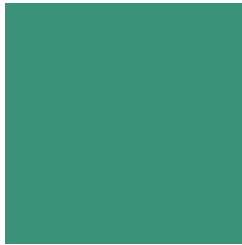
5.5249, 0.5760, 0.2947



0.0722, 0.4703, 0.2364

Previews

White Background



This preview shows how the Yxy color 22.8378, 0.2579, 0.3807 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 22.8378, 0.2579, 0.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

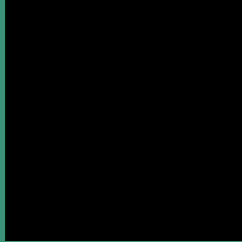
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8378, 0.2579, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 22.8378, 0.2579, 0.3807.

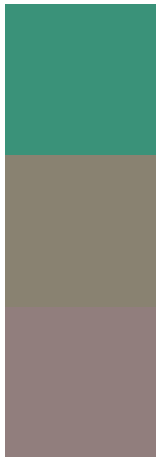


This preview shows how white text looks on a background with the Yxy color 22.8378, 0.2579, 0.3807.

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

22.8378, 0.2579, 0.3807

Protanopia

22.4759, 0.3400, 0.3591

Deuteranopia

22.4221, 0.3369, 0.3308



Tritanopia

22.9480, 0.2409, 0.3080

Trichromacy



Original Color

22.8378, 0.2579, 0.3807

Protanomaly

22.0574, 0.3022, 0.3675

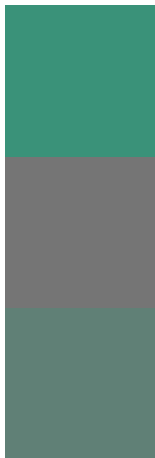
Deuteranomaly

21.7410, 0.2997, 0.3459

Tritanomaly

22.7263, 0.2471, 0.3327

Monochromacy



Original Color

22.8378, 0.2579, 0.3807

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.2331, 0.2872, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8378, 0.2579, 0.3807 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(58, 146, 121)` looks like.

```
.text, #text, p{  
    color:rgb(58, 146, 121)  
}
```

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(58, 146, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 146, 121) }
```

Border

The CSS property to change the border of an element to Yxy 22.8378, 0.2579, 0.3807 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(58, 146, 121) }
```

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

```
.border{ border-color:rgb(58, 146, 121) }
```

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

Here you see how a box with a 4 pixel rgb(58, 146, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 146, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 146, 121);  
box-shadow:4px 4px 4px 4px rgb(58, 146,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8378, 0.2579, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 146, 121) }
```

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

```
.background{ background-color: rgb(58, 146,  
121) }
```

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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