

Converting Colors

$Y_{xy}(21.9746, 0.2455, 0.3288)$

Have a look what the booklet for
Yxy(21.9746, 0.2455, 0.3288)
contains.

Yxy(22.0628, 0.2451, 0.3288)	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

$\text{Yxy}(22.0628, 0.2451, 0.3288)$

Conversions

Conversions Part 1

Format	Color
Hex	408D8D
RGB	64, 141, 141
RGB Percent	25%, 55%, 55%
CMY	0.7491, 0.4470, 0.4470
CMYK	0.55, 0.00, 0.00, 0.45
HSL	180°, 38%, 40%
HSV	180°, 55%, 55%
XYZ	16.4464, 22.0628, 28.5917
YIQ	117.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

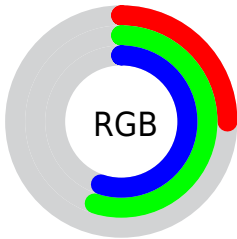
Format	Color
R_{YB}	64, 103, 141
Decimal	4230541
CIE _{Lab}	54.09, -23.51, -7.22
CIE _{LCh}	54, 24.590, 197.079
Yxy	22.0628, 0.2451, 0.3288
Android (android.graphics.Color)	4282420621 (0xFF408D8D)
YUV	117.9770, 11.3503, -47.3378
Hunter-Lab	46.9711, -19.6993, -3.2106

Details

The Yxy color **22.0628, 0.2451, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6989, 0.4668, 0.3295**, and the grayscale version is **18.0834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8923, 0.2593, 0.3288**, and **8.0677, 0.2238, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **21.6493, 0.2376, 0.3288**, and if you desaturate by 10%, it is **22.5975, 0.2544, 0.3288**.

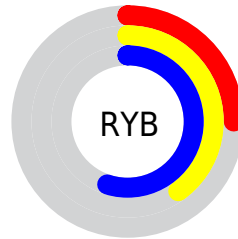
Distribution



Red (25%)

Green (55%)

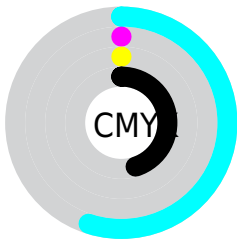
Blue (55%)



Red (25%)

Yellow (40%)

Blue (55%)

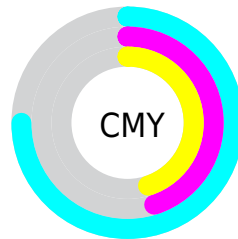


Cyan (55%)

Magenta (0%)

Yellow (0%)

Black (45%)



Cyan (75%)

Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0628, 0.2451, 0.3288 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 22.0628, 0.2451, 0.3288 by changing the saturation by 10% instead.

■ 22.0628, 0.2451,
0.3288

■ 22.0628, 0.2451,
0.3288

■ 262.8741, 0.2824,
0.3297

■ 13.9031, 0.2345,
0.3282

■ 46.8498, 0.2596,
0.3294

■ 8.0533, 0.2200,
0.3270

■ 64.2458, 0.2647,
0.3295

■ 4.1291, 0.1990,
0.3247

■ 85.4893, 0.2690,
0.3296

■ 1.7460, 0.1666,
0.3193

■ 110.9648, 0.2725,
0.3296

■ 0.4532, 0.0000,
0.3121

■ 141.0566, 0.2756,
0.3297

■ 0.0000, 0.0000,
0.0000

176.1492, 0.2782,

0.3297

216.6269, 0.2804,
0.3297

■ 22.0628, 0.2451,
0.3288

■ 22.0628, 0.2451,
0.3288

■ 21.6493, 0.2376,
0.3288

■ 22.5975, 0.2544,
0.3288

■ 21.3453, 0.2319,
0.3288

■ 23.2592, 0.2653,
0.3289

■ 21.1410, 0.2279,
0.3288

■ 24.0561, 0.2777,
0.3289

■ 21.0229, 0.2256,
0.3287

■ 24.9952, 0.2913,
0.3289

■ 20.9739, 0.2247,
0.3287

■ 26.0829, 0.3058,
0.3290

■ 27.3254, 0.3209,
0.3290

■ 28.7282, 0.3365,
0.3291

■ 30.2969, 0.3522,
0.3291

■ 32.0367, 0.3678,
0.3292

Harmonies

Analogous

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



22.0628, 0.2759, 0.3719



22.0628, 0.2451, 0.3288



22.0628, 0.2320, 0.2896

Triad

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



22.0628, 0.2451, 0.3288



22.0628, 0.3025, 0.2675



22.0628, 0.3913, 0.3900

Complementary

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



22.0628, 0.2451, 0.3288



9.6989, 0.4668, 0.3295

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.



22.0628, 0.4007, 0.3586



22.0628, 0.2451, 0.3288



22.0628, 0.3475, 0.2907

Square

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



22.0628, 0.2451, 0.3288



22.0628, 0.2632, 0.2580



22.0628, 0.3845, 0.3231



22.0628, 0.3603, 0.4077

Rectangle

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



22.0628, 0.2451, 0.3288



22.0628, 0.2341, 0.2713



22.0628, 0.3845, 0.3231



22.0628, 0.3972, 0.3805

Sweetspot

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



22.0636, 0.2451, 0.3288



44.4510, 0.2889, 0.3289



20.5541, 0.3059, 0.4970



9.8590, 0.2864, 0.3289



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.0636, 0.2451, 0.3288



38.5968, 0.2358, 0.3288



12.8695, 0.2289, 0.2485



6.1163, 0.2991, 0.3290



19.1233, 0.2247, 0.3287



0.1828, 0.2247, 0.3287

Inverse Universe

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



9.6989, 0.4668, 0.3295



13.9850, 0.5256, 0.3296



15.3820, 0.4262, 0.3953



5.4241, 0.3281, 0.3290



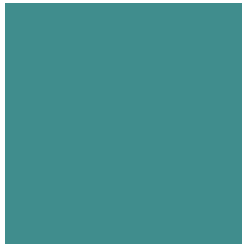
5.1634, 0.6401, 0.3300



0.0494, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 22.0628, 0.2451, 0.3288 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 22.0628, 0.2451, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

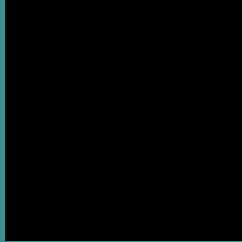
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0628, 0.2451, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 22.0628, 0.2451, 0.3288.

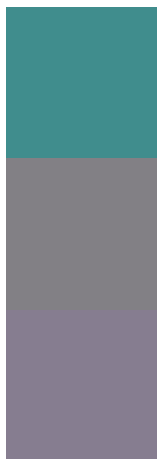


This preview shows how white text looks on a background with the Yxy color 22.0628, 0.2451, 0.3288.

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

22.0628, 0.2451, 0.3288

Protanopia

21.8776, 0.3096, 0.3202

Deuteranopia

21.7492, 0.3026, 0.2965



Tritanopia

21.9285, 0.2398, 0.3057

Trichromacy



Original Color

22.0628, 0.2451, 0.3288

Protanomaly

21.6168, 0.2808, 0.3233

Deuteranomaly

21.4670, 0.2770, 0.3069

Tritanomaly

22.0560, 0.2423, 0.3152

Monochromacy



Original Color

22.0628, 0.2451, 0.3288

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.0247, 0.2812, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0628, 0.2451, 0.3288 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(64, 141, 141)` looks like.

```
.text, #text, p{  
    color:rgb(64, 141, 141)  
}
```

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(64, 141, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 141, 141) }
```

Border

The CSS property to change the border of an element to Yxy 22.0628, 0.2451, 0.3288 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(64, 141, 141) }
```

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

```
.border{ border-color:rgb(64, 141, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 141, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 141, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 141, 141);  
box-shadow:4px 4px 4px 4px rgb(64, 141,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0628, 0.2451, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 141, 141) }
```

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

```
.background{ background-color: rgb(64, 141,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor