

Converting Colors

$Y_{xy}(22.4205, 0.3160, 0.4152)$

Have a look what the booklet for
Yxy(22.4205, 0.3160, 0.4152)
contains.

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Color

Yxy(22.4843, 0.3159, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	678C60
RGB	103, 140, 96
RGB Percent	40%, 55%, 38%
CMY	0.5961, 0.4510, 0.6235
CMYK	0.26, 0.00, 0.31, 0.45
HSL	110°, 19%, 46%
HSV	110°, 31%, 55%
XYZ	17.0822, 22.4843, 14.5083
YIQ	123.9210, -7.9280, -21.5280

Conversions

Conversions Part 2

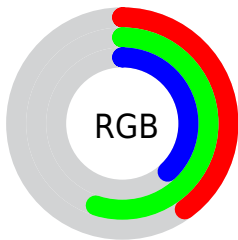
Format	Color
RYB	96, 140, 133
Decimal	6786144
CIELab	54.54, -21.87, 19.46
CIELCh	55, 29.279, 138.336
Yxy	22.4843, 0.3159, 0.4158
Android (android.graphics.Color)	4284976224 (0xFF678C60)
YUV	123.9210, -13.7651, -18.3477
Hunter-Lab	47.4176, -18.6761, 15.0515

Details

The Yxy color $22.4843, 0.3159, 0.4158$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.2502, 0.3067, 0.2516$, and the grayscale version is $20.1769, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.6587, 0.3159, 0.3954$, and $8.3183, 0.3139, 0.4556$ is the 20% darker color. If you saturate the color by 10%, you get $21.6017, 0.3162, 0.4483$, and if you desaturate by 10%, it is $23.5129, 0.3152, 0.3853$.

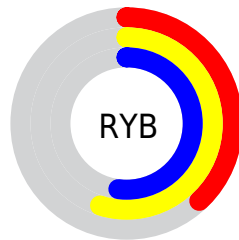
Distribution



Red (40%)

Green (55%)

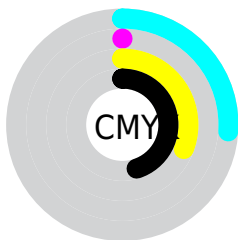
Blue (38%)



Red (38%)

Yellow (55%)

Blue (52%)

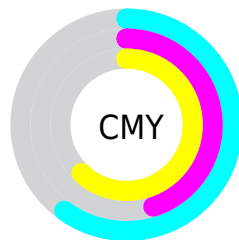


Cyan (26%)

Magenta (0%)

Yellow (31%)

Black (45%)



Cyan (60%)


Magenta (45%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4843, 0.3159, 0.4158 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 22.4843, 0.3159, 0.4158 by changing the saturation by 10% instead.


 22.4843, 0.3159,
0.4158


 22.4843, 0.3159,
0.4158


265.0651, 0.3152,
0.3652


 14.2132, 0.3154,
0.4316


 47.5451, 0.3160,
0.3953


 8.2691, 0.3142,
0.4541


 65.1037, 0.3159,
0.3883

 4.2676, 0.3111,
0.4889

 86.5268, 0.3158,
0.3826

 1.8244, 0.3121,
0.5664

 112.1989, 0.3157,
0.3779

 0.5023, 0.0000,
1.0000

142.5044, 0.3156,
0.3740

 0.0000, 0.0000,
0.0000

177.8276, 0.3155,

0.3706

218.5531, 0.3154,
0.3677

■ 22.4843, 0.3159,
0.4158

■ 22.4843, 0.3159,
0.4158

■ 21.6017, 0.3162,
0.4483

■ 23.5129, 0.3152,
0.3853

■ 20.8558, 0.3159,
0.4815

■ 24.6906, 0.3141,
0.3574

■ 20.2404, 0.3149,
0.5139

■ 26.0244, 0.3129,
0.3323


■ 19.7479, 0.3132,
0.5432


■ 27.5195, 0.3116,
0.3101

■ 19.3697, 0.3108,
0.5674


■ 29.1811, 0.3102,
0.2907

 19.0962, 0.3078,
0.5849

 31.0143, 0.3088,
0.2736

 18.9306, 0.3056,
0.5955

 33.0237, 0.3075,
0.2588

 35.2139, 0.3062,
0.2458

 37.5892, 0.3049,
0.2346

Harmonies

Analogous

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



22.4843, 0.3662, 0.4225



22.4843, 0.3159, 0.4158



22.4843, 0.2671, 0.3783

Triad

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



22.4843, 0.3159, 0.4158



22.4843, 0.2268, 0.2531



22.4843, 0.3992, 0.3231

Complementary

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



22.4843, 0.3159, 0.4158



15.2502, 0.3067, 0.2516

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.



22.4843, 0.3557, 0.2856



22.4843, 0.3159, 0.4158



22.4843, 0.2561, 0.2464

Square

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



22.4843, 0.3159, 0.4158



22.4843, 0.2185, 0.2803



22.4843, 0.3025, 0.2584



22.4843, 0.4170, 0.3642

Rectangle

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



22.4843, 0.3159, 0.4158



22.4843, 0.2418, 0.3436



22.4843, 0.3025, 0.2584



22.4843, 0.3869, 0.3098

Sweetspot

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



22.4853, 0.3159, 0.4158



44.0283, 0.3139, 0.3515



23.1062, 0.3618, 0.3931



10.0772, 0.3140, 0.3549



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.



22.4853, 0.3159, 0.4158



38.4664, 0.3162, 0.4396



22.3856, 0.2950, 0.3872



5.6439, 0.3139, 0.3514



16.8255, 0.3058, 0.5954



0.1159, 0.3268, 0.5787

Inverse Universe

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



15.2502, 0.3067, 0.2516



23.5437, 0.3048, 0.2331



15.4331, 0.3364, 0.2772



5.0895, 0.3114, 0.3073



5.0991, 0.2822, 0.1328



0.0389, 0.3022, 0.1439

Previews

White Background



This preview shows how the Yxy color 22.4843, 0.3159, 0.4158 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 22.4843, 0.3159, 0.4158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

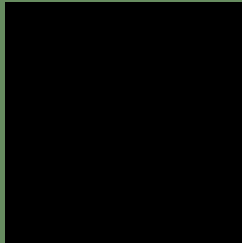
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4843, 0.3159, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 22.4843, 0.3159, 0.4158.



This preview shows how white text looks on a background with the Yxy color 22.4843, 0.3159, 0.4158.

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

22.4843, 0.3159, 0.4158

Protanopia

22.3134, 0.3677, 0.3958

Deuteranopia

22.3404, 0.3788, 0.3725



Tritanopia

22.4740, 0.2776, 0.3090

Trichromacy



Original Color

22.4843, 0.3159, 0.4158

Protanomaly

22.3525, 0.3484, 0.4045

Deuteranomaly

21.9980, 0.3545, 0.3865

Tritanomaly

22.3288, 0.2916, 0.3459

Monochromacy



Original Color

22.4843, 0.3159, 0.4158

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8932, 0.3136, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4843, 0.3159, 0.4158 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(103, 140, 96)` looks like.

```
.text, #text, p{  
    color:rgb(103, 140, 96)  
}
```

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(103, 140, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 140, 96) }
```

Border

The CSS property to change the border of an element to Yxy 22.4843, 0.3159, 0.4158 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(103, 140, 96) }
```

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

```
.border{ border-color:rgb(103, 140, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 140, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 140, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 140, 96);  
box-shadow:4px 4px 4px 4px rgb(103, 140,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4843, 0.3159, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 140, 96) }
```

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

```
.background{ background-color: rgb(103,  
140, 96) }
```

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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