

Converting Colors

$Y_{xy}(22.9497, 0.3162, 0.4129)$

Have a look what the booklet for
Yxy(22.9497, 0.3162, 0.4129)
contains.

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Color

Yxy(22.9349, 0.3160, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	698D62
RGB	105, 141, 98
RGB Percent	41%, 55%, 38%
CMY	0.5884, 0.4470, 0.6157
CMYK	0.26, 0.00, 0.30, 0.45
HSL	110°, 18%, 47%
HSV	110°, 30%, 55%
XYZ	17.5525, 22.9349, 15.0585
YIQ	125.3340, -7.6530, -21.0050

Conversions

Conversions Part 2

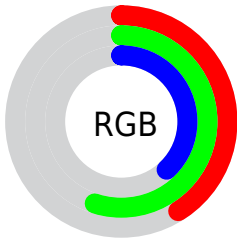
Format	Color
R_{YB}	98, 141, 134
Decimal	6917474
CIE _{Lab}	55.01, -21.32, 19.00
CIE _{LCh}	55, 28.558, 138.307
Yxy	22.9349, 0.3160, 0.4129
Android (android.graphics.Color)	4285107554 (0xFF698D62)
YUV	125.3340, -13.4757, -17.8329
Hunter-Lab	47.8904, -18.3854, 14.8803

Details

The Yxy color $22.9349, 0.3160, 0.4129$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.7325, 0.3068, 0.2538$, and the grayscale version is $20.6735, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.3682, 0.3160, 0.3934$, and $8.5619, 0.3142, 0.4506$ is the 20% darker color. If you saturate the color by 10%, you get $22.0262, 0.3164, 0.4452$, and if you desaturate by 10%, it is $23.9920, 0.3152, 0.3826$.

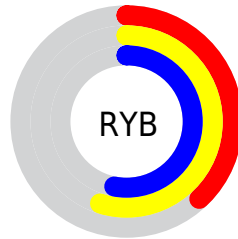
Distribution



Red (41%)

Green (55%)

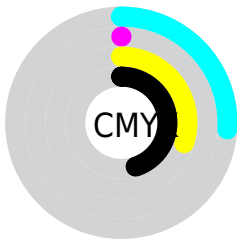
Blue (38%)



Red (38%)

Yellow (55%)

Blue (53%)

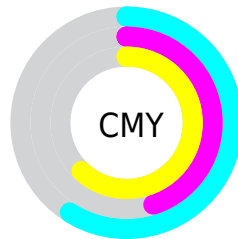


Cyan (26%)

Magenta (0%)

Yellow (30%)

Black (45%)



Cyan (59%)

Magenta (45%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9349, 0.3160, 0.4129 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 22.9349, 0.3160, 0.4129 by changing the saturation by 10% instead.


 22.9349, 0.3160,
0.4129


 22.9349, 0.3160,
0.4129


267.3905, 0.3152,
0.3642

 14.5454, 0.3156,
0.4280


 48.2864, 0.3160,
0.3932


 8.5010, 0.3146,
0.4495


 66.0173, 0.3160,
0.3865

 4.4172, 0.3119,
0.4826

 87.6307, 0.3158,
0.3810

 1.9095, 0.3107,
0.5507

 113.5111, 0.3157,
0.3765

 0.5541, 0.0109,
0.9891

144.0429, 0.3156,
0.3727

 0.0000, 0.0000,
0.0000

179.6104, 0.3154,

0.3694

220.5982, 0.3153,
0.3666

■ 22.9349, 0.3160,
0.4129

■ 22.9349, 0.3160,
0.4129

■ 22.0262, 0.3164,
0.4452

■ 23.9920, 0.3152,
0.3826

■ 21.2563, 0.3162,
0.4784

■ 25.2006, 0.3141,
0.3549

■ 20.6192, 0.3153,
0.5109

■ 26.5676, 0.3128,
0.3302


■ 20.1073, 0.3136,
0.5406

■ 28.0983, 0.3114,
0.3082

■ 19.7120, 0.3112,
0.5654

■ 29.7979, 0.3100,
0.2889

 19.4237, 0.3083,
0.5835

 31.6715, 0.3085,
0.2721

 19.2327, 0.3057,
0.5954

 33.7239, 0.3071,
0.2574

 35.9595, 0.3058,
0.2446

 38.3829, 0.3046,
0.2335

Harmonies

Analogous

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



22.9349, 0.3648, 0.4196



22.9349, 0.3160, 0.4129



22.9349, 0.2686, 0.3767

Triad

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



22.9349, 0.3160, 0.4129



22.9349, 0.2292, 0.2554



22.9349, 0.3965, 0.3233

Complementary

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



22.9349, 0.3160, 0.4129



15.7325, 0.3068, 0.2538

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.



22.9349, 0.3544, 0.2868



22.9349, 0.3160, 0.4129



22.9349, 0.2578, 0.2487

Square

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



22.9349, 0.3160, 0.4129



22.9349, 0.2211, 0.2819



22.9349, 0.3028, 0.2603



22.9349, 0.4138, 0.3634

Rectangle

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



22.9349, 0.3160, 0.4129



22.9349, 0.2440, 0.3432



22.9349, 0.3028, 0.2603



22.9349, 0.3846, 0.3104

Sweetspot

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



22.9359, 0.3160, 0.4129



45.4261, 0.3139, 0.3516



23.5523, 0.3603, 0.3912



10.0787, 0.3141, 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.



22.9359, 0.3160, 0.4129



39.8544, 0.3163, 0.4363



22.8272, 0.2955, 0.3853



6.0687, 0.3139, 0.3515



17.5390, 0.3059, 0.5953



0.1741, 0.3274, 0.5783

Inverse Universe

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



15.7325, 0.3068, 0.2538



24.6976, 0.3048, 0.2355



15.9242, 0.3355, 0.2788



5.4675, 0.3113, 0.3071



5.2826, 0.2813, 0.1323



0.0581, 0.3018, 0.1436

Previews

White Background



This preview shows how the Yxy color 22.9349, 0.3160, 0.4129 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 22.9349, 0.3160, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

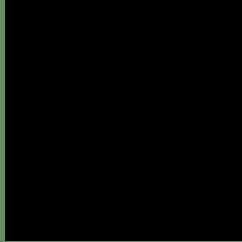
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9349, 0.3160, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 22.9349, 0.3160, 0.4129.



This preview shows how white text looks on a background with the Yxy color 22.9349, 0.3160, 0.4129.

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

22.9349, 0.3160, 0.4129

Protanopia

22.7035, 0.3662, 0.3936

Deuteranopia

22.7313, 0.3771, 0.3705



Tritanopia

22.9140, 0.2788, 0.3092

Trichromacy



Original Color

22.9349, 0.3160, 0.4129

Protanomaly

22.7434, 0.3471, 0.4021

Deuteranomaly

22.3869, 0.3531, 0.3843

Tritanomaly

22.7913, 0.2918, 0.3439

Monochromacy



Original Color

22.9349, 0.3160, 0.4129

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.3220, 0.3148, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9349, 0.3160, 0.4129 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(105, 141, 98)` looks like.

```
.text, #text, p{  
    color:rgb(105, 141, 98)  
}
```

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(105, 141, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 141, 98) }
```

Border

The CSS property to change the border of an element to Yxy 22.9349, 0.3160, 0.4129 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(105, 141, 98) }
```

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

```
.border{ border-color:rgb(105, 141, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 141, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 141, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 141, 98);  
box-shadow:4px 4px 4px 4px rgb(105, 141,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9349, 0.3160, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 141, 98) }
```

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

```
.background{ background-color: rgb(105,  
141, 98) }
```

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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