

Converting Colors

$Y_{xy}(22.8855, 0.3159, 0.3809)$

Have a look what the booklet for
Yxy(22.8855, 0.3159, 0.3809)
contains.

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Color

Yxy(22.9476, 0.3157, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	738A6E
RGB	115, 138, 110
RGB Percent	45%, 54%, 43%
CMY	0.5490, 0.4588, 0.5686
CMYK	0.17, 0.00, 0.20, 0.46
HSL	109°, 11%, 49%
HSV	109°, 20%, 54%
XYZ	18.9747, 22.9476, 18.1814
YIQ	127.9310, -4.7200, -13.5840

Conversions

Conversions Part 2

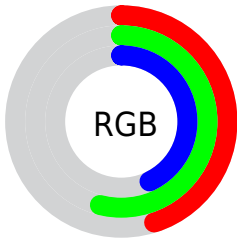
Format	Color
R_{YB}	110, 138, 133
Decimal	7572078
CIE _{Lab}	55.02, -13.89, 12.31
CIE _{LCh}	55, 18.561, 138.445
Yxy	22.9476, 0.3157, 0.3818
Android (android.graphics.Color)	4285762158 (0xFF738A6E)
YUV	127.9310, -8.8400, -11.3405
Hunter-Lab	47.9037, -13.1271, 11.0296

Details

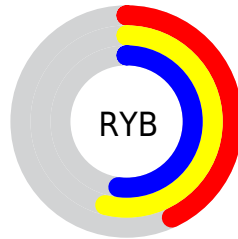
The Yxy color $22.9476, 0.3157, 0.3818$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.9727, 0.3086, 0.2796$, and the grayscale version is $21.5951, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.0857, 0.3149, 0.3685$, and $8.4855, 0.3155, 0.4053$ is the 20% darker color. If you saturate the color by 10%, you get $21.9495, 0.3168, 0.4119$, and if you desaturate by 10%, it is $24.0889, 0.3143, 0.3543$.

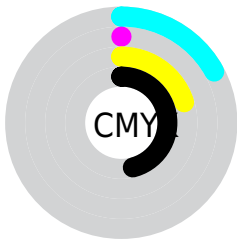
Distribution



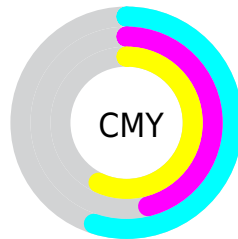
- Red (45%)
- Green (54%)
- Blue (43%)



- Red (43%)
- Yellow (54%)
- Blue (52%)



- Cyan (17%)
- Magenta (0%)
- Yellow (20%)
- Black (46%)





- Cyan (55%)
- Magenta (46%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9476, 0.3157, 0.3818 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 22.9476, 0.3157, 0.3818 by changing the saturation by 10% instead.


 22.9476, 0.3157,
0.3818


 22.9476, 0.3157,
0.3818


267.4557, 0.3144,
0.3515


 14.5548, 0.3158,
0.3910


 48.3073, 0.3153,
0.3697

 8.5076, 0.3159,
0.4042


 66.0430, 0.3152,
0.3655

 4.4214, 0.3155,
0.4243

 87.6617, 0.3150,
0.3621

 1.9120, 0.3137,
0.4586

 113.5480, 0.3149,
0.3592

 0.5556, 0.2538,
0.7462

144.0861, 0.3148,
0.3568

 0.0000, 0.0000,
0.0000

179.6605, 0.3146,

0.3548

220.6556, 0.3145,
0.3530

■ 22.9476, 0.3157,
0.3818

■ 22.9476, 0.3157,
0.3818

■ 21.9495, 0.3168,
0.4119

■ 24.0889, 0.3143,
0.3543

■ 21.0860, 0.3174,
0.4439

■ 25.3757, 0.3128,
0.3297

■ 20.3522, 0.3174,
0.4769

■ 26.8140, 0.3111,
0.3078

■ 19.7418, 0.3167,
0.5092

■ 28.4085, 0.3094,
0.2886

■ 19.2477, 0.3151,
0.5388

■ 30.1637, 0.3078,
0.2718

■ 18.8623, 0.3127,
0.5637

■ 32.0840, 0.3062,
0.2570

■ 18.5769, 0.3096,
0.5820

■ 34.1735, 0.3047,
0.2442

■ 18.3799, 0.3068,
0.5946

■ 36.4364, 0.3032,
0.2330

■ 38.8765, 0.3018,
0.2232

Harmonies

Analogous

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



22.9476, 0.3476, 0.3876



22.9476, 0.3157, 0.3818



22.9476, 0.2841, 0.3593

Triad

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



22.9476, 0.3157, 0.3818



22.9476, 0.2570, 0.2804



22.9476, 0.3669, 0.3264

Complementary

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



22.9476, 0.3157, 0.3818



17.9727, 0.3086, 0.2796

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.



22.9476, 0.3403, 0.3011



22.9476, 0.3157, 0.3818



22.9476, 0.2768, 0.2751

Square

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



22.9476, 0.3157, 0.3818



22.9476, 0.2513, 0.2991



22.9476, 0.3070, 0.2827



22.9476, 0.3782, 0.3535

Rectangle

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



22.9476, 0.3157, 0.3818



22.9476, 0.2674, 0.3387



22.9476, 0.3070, 0.2827



22.9476, 0.3594, 0.3175

Sweetspot

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



22.9486, 0.3157, 0.3818



43.3730, 0.3137, 0.3437



23.2676, 0.3437, 0.3691



9.7014, 0.3138, 0.3451



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.9486, 0.3157, 0.3818



39.6774, 0.3162, 0.3942



22.8207, 0.3015, 0.3652



5.6485, 0.3142, 0.3514



16.8568, 0.3069, 0.5945



0.1166, 0.3300, 0.5762

Inverse Universe

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



17.9727, 0.3086, 0.2796



29.3858, 0.3075, 0.2689



18.1441, 0.3260, 0.2953



5.0845, 0.3111, 0.3073



4.9243, 0.2772, 0.1301



0.0382, 0.2997, 0.1424

Previews

White Background



This preview shows how the Yxy color 22.9476, 0.3157, 0.3818 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 22.9476, 0.3157, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

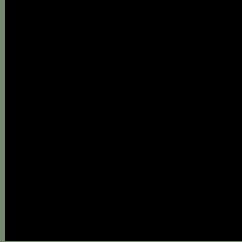
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9476, 0.3157, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 22.9476, 0.3157, 0.3818.



This preview shows how white text looks on a background with the Yxy color 22.9476, 0.3157, 0.3818.

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

22.9476, 0.3157, 0.3818

Protanopia

22.7831, 0.3489, 0.3712

Deuteranopia

22.6709, 0.3600, 0.3526



Tritanopia

22.8536, 0.2886, 0.3095

Trichromacy



Original Color

22.9476, 0.3157, 0.3818

Protanomaly

22.8787, 0.3359, 0.3760

Deuteranomaly

22.5162, 0.3435, 0.3625

Tritanomaly

22.9158, 0.2982, 0.3344

Monochromacy



Original Color

22.9476, 0.3157, 0.3818

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0940, 0.3141, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9476, 0.3157, 0.3818 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(115, 138, 110)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 110)  
}
```

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(115, 138, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 110) }
```

Border

The CSS property to change the border of an element to Yxy 22.9476, 0.3157, 0.3818 is called "border". The border property can be set on classes, ids or directly on the HTML element.

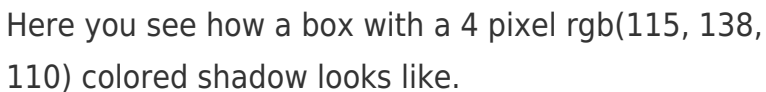
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 138, 110) }
```

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

```
.border{ border-color:rgb(115, 138, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 138, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 138, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 138, 110); box-shadow:4px 4px 4px 4px rgb(115, 138, 110) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9476, 0.3157, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 110) }
```

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

```
.background{ background-color: rgb(115,  
138, 110) }
```

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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