

Converting Colors

$Yxy(22.6328, 0.3302, 0.4076)$

Have a look what the booklet for
Yxy(22.6328, 0.3302, 0.4076)
contains.

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Color

$\text{Yxy}(22.7345, 0.3308, 0.4087)$

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 748A60 |
| RGB | 116, 138, 96 |
| RGB Percent | 45%, 54%, 38% |
| CMY | 0.5452, 0.4588, 0.6234 |
| CMYK | 0.16, 0.00, 0.30, 0.46 |
| HSL | 91°, 18%, 46% |
| HSV | 91°, 30%, 54% |
| XYZ | 18.4012, 22.7345, 14.4907 |
| YIQ | 126.6340, 0.3700, -17.7260 |

Conversions

Conversions Part 2

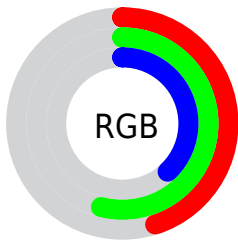
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 96, 138, 118 |
| Decimal | 7637600 |
| CIE _{Lab} | 54.80, -15.91, 19.95 |
| CIE _{LCh} | 55, 25.523, 128.572 |
| Y _{xy} | 22.7345, 0.3308, 0.4087 |
| Android (android.graphics.Color) | 4285827680 (0xFF748A60) |
| YUV | 126.6340, -15.1026, -9.3260 |
| Hunter-Lab | 47.6807, -14.5535, 15.3576 |

Details

The Yxy color $22.7345, 0.3308, 0.4087$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.0609, 0.2891, 0.2501$, and the grayscale version is $21.1440, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.6930, 0.3271, 0.3895$, and $8.3945, 0.3357, 0.4431$ is the 20% darker color. If you saturate the color by 10%, you get $22.0262, 0.3358, 0.4378$, and if you desaturate by 10%, it is $23.5281, 0.3251, 0.3807$.

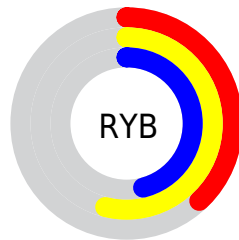
Distribution



Red (45%)

Green (54%)

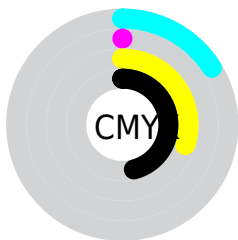
Blue (38%)



Red (38%)

Yellow (54%)

Blue (46%)

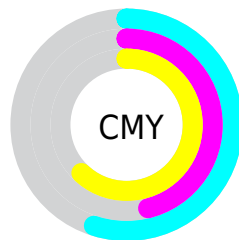


Cyan (16%)

Magenta (0%)

Yellow (30%)

Black (46%)



Cyan (55%)


Magenta (46%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7345, 0.3308, 0.4087 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 22.7345, 0.3308, 0.4087 by changing the saturation by 10% instead.


 22.7345, 0.3308,
0.4087


 22.7345, 0.3308,
0.4087


266.3584, 0.3216,
0.3627

 14.3976, 0.3330,
0.4227


 47.9570, 0.3275,
0.3902


 8.3977, 0.3355,
0.4426


 65.6114, 0.3262,
0.3839

 4.3505, 0.3381,
0.4727

 87.1404, 0.3251,
0.3787

 1.8715, 0.3492,
0.5389

 112.9284, 0.3242,
0.3744

 0.5311, 0.1797,
0.8203

143.3598, 0.3234,
0.3708

 0.0000, 0.0000,
0.0000

178.8190, 0.3227,

0.3677

219.6904, 0.3221,
0.3651

■ 22.7345, 0.3308,
0.4087

■ 22.7345, 0.3308,
0.4087

■ 22.0262, 0.3358,
0.4378

■ 23.5281, 0.3251,
0.3807

■ 21.3970, 0.3398,
0.4671

■ 24.4071, 0.3191,
0.3543

■ 20.8444, 0.3424,
0.4953

■ 25.3752, 0.3130,
0.3300

■ 20.3647, 0.3433,
0.5210


■ 26.4353, 0.3069,
0.3078


■ 19.9538, 0.3422,
0.5428

■ 27.5897, 0.3011,
0.2878


 19.6068, 0.3390,
0.5597

 28.8411, 0.2955,
0.2698

 19.3231, 0.3349,
0.5723

 30.1918, 0.2903,
0.2538

 31.6441, 0.2854,
0.2395

 33.2001, 0.2809,
0.2267

Harmonies

Analogous

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



22.7345, 0.3723, 0.4067



22.7345, 0.3308, 0.4087



22.7345, 0.2863, 0.3841

Triad

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



22.7345, 0.3308, 0.4087



22.7345, 0.2326, 0.2686



22.7345, 0.3774, 0.3128

Complementary

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



22.7345, 0.3308, 0.4087



14.0609, 0.2891, 0.2501

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.



22.7345, 0.3354, 0.2818



22.7345, 0.3308, 0.4087



22.7345, 0.2529, 0.2564

Square

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



22.7345, 0.3308, 0.4087



22.7345, 0.2317, 0.2986



22.7345, 0.2897, 0.2616



22.7345, 0.4011, 0.3490

Rectangle

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



22.7345, 0.3308, 0.4087



22.7345, 0.2609, 0.3567



22.7345, 0.2897, 0.2616



22.7345, 0.3648, 0.3016

Sweetspot

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



22.7355, 0.3308, 0.4087



43.2182, 0.3183, 0.3512



19.1389, 0.3666, 0.3685



9.6467, 0.3191, 0.3544



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.



22.7355, 0.3308, 0.4087



39.1357, 0.3346, 0.4301



21.5250, 0.3081, 0.4129



5.7172, 0.3183, 0.3511



17.7234, 0.3352, 0.5721



0.1264, 0.3695, 0.5448

Inverse Universe

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



14.0609, 0.2891, 0.2501



21.1364, 0.2818, 0.2292



15.5893, 0.3171, 0.2574



5.0129, 0.3067, 0.3070



2.9687, 0.2098, 0.0930



0.0284, 0.2575, 0.1192

Previews

White Background



This preview shows how the Yxy color 22.7345, 0.3308, 0.4087 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 22.7345, 0.3308, 0.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

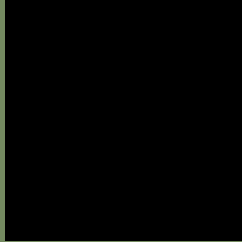
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7345, 0.3308, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 22.7345, 0.3308, 0.4087.



This preview shows how white text looks on a background with the Yxy color 22.7345, 0.3308, 0.4087.

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

22.7345, 0.3308, 0.4087

Protanopia

22.6856, 0.3673, 0.3953

Deuteranopia

22.4381, 0.3801, 0.3722



Tritanopia

22.6967, 0.2916, 0.3096

Trichromacy



Original Color

22.7345, 0.3308, 0.4087

Protanomaly

22.7639, 0.3535, 0.4011

Deuteranomaly

22.4226, 0.3609, 0.3853

Tritanomaly

22.5496, 0.3053, 0.3436

Monochromacy



Original Color

22.7345, 0.3308, 0.4087

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.7045, 0.3195, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7345, 0.3308, 0.4087 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(116, 138, 96)` looks like.

```
.text, #text, p{  
    color:rgb(116, 138, 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(116, 138, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 138, 96) }
```

Border

The CSS property to change the border of an element to Yxy 22.7345, 0.3308, 0.4087 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(116, 138, 96) }
```

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

```
.border{ border-color:rgb(116, 138, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 138, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 138, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 138, 96);  
box-shadow:4px 4px 4px 4px rgb(116, 138,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7345, 0.3308, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 138, 96) }
```

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

```
.background{ background-color: rgb(116,  
138, 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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