

Converting Colors

$Y_{xy}(23.3563, 0.3270, 0.4085)$

Have a look what the booklet for
Yxy(23.3563, 0.3270, 0.4085)
contains.

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Color

Yxy(23.2828, 0.3272, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	738C62
RGB	115, 140, 98
RGB Percent	45%, 55%, 38%
CMY	0.5492, 0.4509, 0.6157
CMYK	0.18, 0.00, 0.30, 0.45
HSL	96°, 18%, 47%
HSV	96°, 30%, 55%
XYZ	18.6490, 23.2828, 15.0640
YIQ	127.7370, -1.4180, -18.3620

Conversions

Conversions Part 2

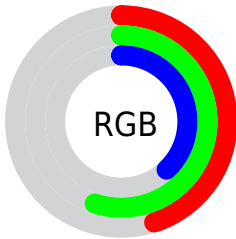
Format	Color
RYB	98, 140, 123
Decimal	7572578
CIELab	55.36, -17.05, 19.60
CIELCh	55, 25.980, 131.030
Yxy	23.2828, 0.3272, 0.4085
Android (android.graphics.Color)	4285762658 (0xFF738C62)
YUV	127.7370, -14.6603, -11.1703
Hunter-Lab	48.2523, -15.4529, 15.2667

Details

The Yxy color $23.2828, 0.3272, 0.4085$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.8415, 0.2934, 0.2520$, and the grayscale version is $21.5407, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9690, 0.3243, 0.3906$, and $8.7096, 0.3303, 0.4425$ is the 20% darker color. If you saturate the color by 10%, you get $22.5019, 0.3311, 0.4384$, and if you desaturate by 10%, it is $24.1633, 0.3226, 0.3800$.

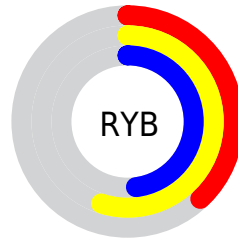
Distribution



Red (45%)

Green (55%)

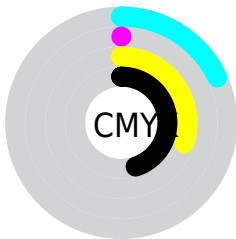
Blue (38%)



Red (38%)

Yellow (55%)

Blue (48%)

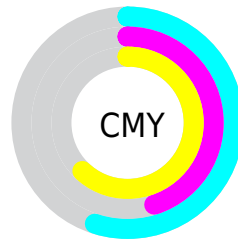


Cyan (18%)

Magenta (0%)

Yellow (30%)

Black (45%)



Cyan (55%)


Magenta (45%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2828, 0.3272, 0.4085 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 23.2828, 0.3272, 0.4085 by changing the saturation by 10% instead.


 23.2828, 0.3272,
0.4085


 23.2828, 0.3272,
0.4085


269.1742, 0.3200,
0.3627


 14.8025, 0.3288,
0.4225


 48.8573, 0.3247,
0.3901


 8.6809, 0.3305,
0.4422


 66.7202, 0.3237,
0.3838

 4.5336, 0.3319,
0.4721

 88.4794, 0.3229,
0.3786

 1.9763, 0.3377,
0.5325

 114.5194, 0.3221,
0.3744

 0.5937, 0.1995,
0.8005

145.2244, 0.3215,
0.3708

 0.0000, 0.0000,
0.0000

180.9790, 0.3210,

0.3677

222.1675, 0.3205,
0.3651

■ 23.2828, 0.3272,
0.4085

■ 23.2828, 0.3272,
0.4085

■ 22.5019, 0.3311,
0.4384

■ 24.1633, 0.3226,
0.3800

■ 21.8136, 0.3341,
0.4686

■ 25.1438, 0.3177,
0.3534

■ 21.2151, 0.3358,
0.4980


■ 26.2286, 0.3127,
0.3290

■ 20.7019, 0.3358,
0.5250


■ 27.4210, 0.3077,
0.3070

■ 20.2691, 0.3341,
0.5481


■ 28.7241, 0.3029,
0.2872

 19.9114, 0.3306,
0.5659

 30.1406, 0.2983,
0.2696

 19.6165, 0.3261,
0.5793

 31.6734, 0.2939,
0.2539

 33.3253, 0.2898,
0.2400

 35.0987, 0.2860,
0.2277

Harmonies

Analogous

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



23.2828, 0.3698, 0.4086



23.2828, 0.3272, 0.4085



23.2828, 0.2826, 0.3817

Triad

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



23.2828, 0.3272, 0.4085



23.2828, 0.2329, 0.2664



23.2828, 0.3809, 0.3155

Complementary

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



23.2828, 0.3272, 0.4085



14.8415, 0.2934, 0.2520

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.



23.2828, 0.3395, 0.2836



23.2828, 0.3272, 0.4085



23.2828, 0.2549, 0.2556

Square

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



23.2828, 0.3272, 0.4085



23.2828, 0.2303, 0.2952



23.2828, 0.2930, 0.2622



23.2828, 0.4028, 0.3521

Rectangle

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



23.2828, 0.3272, 0.4085



23.2828, 0.2577, 0.3533



23.2828, 0.2930, 0.2622



23.2828, 0.3686, 0.3041

Sweetspot

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



23.2838, 0.3272, 0.4085



44.4716, 0.3173, 0.3513



20.5012, 0.3644, 0.3728



10.1924, 0.3180, 0.3546



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.



23.2838, 0.3272, 0.4085



40.0945, 0.3299, 0.4285



22.3052, 0.3055, 0.4059



5.7004, 0.3173, 0.3512



17.4379, 0.3264, 0.5790



0.1240, 0.3609, 0.5516

Inverse Universe

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



14.8415, 0.2934, 0.2520



22.7407, 0.2878, 0.2334



16.1024, 0.3207, 0.2626



5.0299, 0.3077, 0.3070



3.3464, 0.2247, 0.1012



0.0308, 0.2686, 0.1253

Previews

White Background



This preview shows how the Yxy color 23.2828, 0.3272, 0.4085 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 23.2828, 0.3272, 0.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

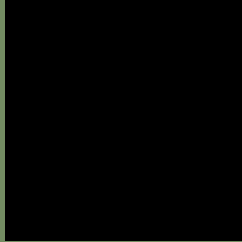
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2828, 0.3272, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 23.2828, 0.3272, 0.4085.



This preview shows how white text looks on a background with the Yxy color 23.2828, 0.3272, 0.4085.

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

23.2828, 0.3272, 0.4085

Protanopia

23.0795, 0.3658, 0.3932

Deuteranopia

23.0869, 0.3779, 0.3719



Tritanopia

23.2321, 0.2887, 0.3097

Trichromacy



Original Color

23.2828, 0.3272, 0.4085

Protanomaly

23.0780, 0.3509, 0.3991

Deuteranomaly

22.9981, 0.3577, 0.3850

Tritanomaly

23.0888, 0.3022, 0.3436

Monochromacy



Original Color

23.2828, 0.3272, 0.4085

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.9978, 0.3183, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2828, 0.3272, 0.4085 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, 140, 98)` looks like.

```
.text, #text, p{  
    color:rgb(115, 140, 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(115, 140, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 140, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.2828, 0.3272, 0.4085 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, 140, 98) }
```

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

```
.border{ border-color:rgb(115, 140, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 140, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 140, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 140, 98);  
box-shadow:4px 4px 4px 4px rgb(115, 140,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2828, 0.3272, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 140, 98) }
```

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

```
.background{ background-color: rgb(115,  
140, 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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