

Converting Colors

$Y_{xy}(22.9881, 0.3383, 0.4293)$

Have a look what the booklet for
Yxy(22.9881, 0.3383, 0.4293)
contains.

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Color

$\text{Yxy}(23.0891, 0.3379, 0.4294)$

Conversions

Conversions Part 1

Format	Color
Hex	738C57
RGB	115, 140, 87
RGB Percent	45%, 55%, 34%
CMY	0.5490, 0.4510, 0.6589
CMYK	0.18, 0.00, 0.38, 0.45
HSL	88°, 23%, 45%
HSV	88°, 38%, 55%
XYZ	18.1691, 23.0891, 12.5124
YIQ	126.4830, 2.1130, -21.7830

Conversions

Conversions Part 2

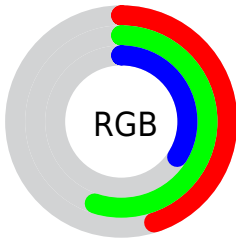
Format	Color
R_{YB}	87, 140, 112
Decimal	7572567
CIE _{Lab}	55.16, -18.71, 25.46
CIE _{LCh}	55, 31.598, 126.315
Yxy	23.0891, 0.3379, 0.4294
Android (android.graphics.Color)	4285762647 (0xFF738C57)
YUV	126.4830, -19.4651, -10.0706
Hunter-Lab	48.0511, -16.5950, 18.1968

Details

The Yxy color $23.0891, 0.3379, 0.4294$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.1508, 0.2778, 0.2278$, and the grayscale version is $21.1050, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7145, 0.3340, 0.4072$, and $8.6238, 0.3444, 0.4725$ is the 20% darker color. If you saturate the color by 10%, you get $22.4515, 0.3431, 0.4581$, and if you desaturate by 10%, it is $23.8051, 0.3318, 0.4010$.

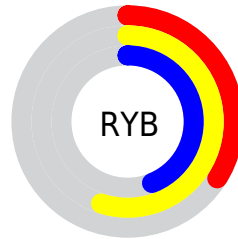
Distribution



Red (45%)

Green (55%)

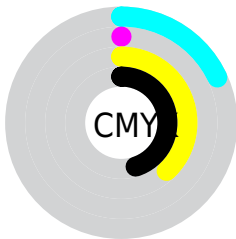
Blue (34%)



Red (34%)

Yellow (55%)

Blue (44%)

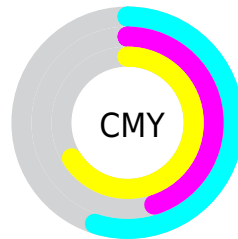


Cyan (18%)

Magenta (0%)

Yellow (38%)

Black (45%)



Cyan (55%)


Magenta (45%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0891, 0.3379, 0.4294 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 23.0891, 0.3379, 0.4294 by changing the saturation by 10% instead.


 23.0891, 0.3379,
0.4294


 23.0891, 0.3379,
0.4294


268.1823, 0.3253,
0.3715


 14.6593, 0.3406,
0.4470


 48.5396, 0.3335,
0.4062


 8.5806, 0.3435,
0.4716

 66.3291, 0.3318,
0.3982


 4.4687, 0.3458,
0.5083

 88.0073, 0.3303,
0.3916

 1.9390, 0.3716,
0.6133

 113.9585, 0.3290,
0.3862

 0.5717, 0.1315,
0.8685

 144.5673, 0.3279,
0.3817

 0.0000, 0.0000,
0.0000

180.2179, 0.3269,

0.3778

221.2948, 0.3261,
0.3744

■ 23.0891, 0.3379,
0.4294

■ 23.0891, 0.3379,
0.4294

■ 22.4515, 0.3431,
0.4581

■ 23.8051, 0.3318,
0.4010

■ 21.8861, 0.3469,
0.4858

■ 24.5996, 0.3251,
0.3736

■ 21.3903, 0.3489,
0.5114

■ 25.4764, 0.3182,
0.3479

■ 20.9603, 0.3489,
0.5335

■ 26.4380, 0.3112,
0.3241

■ 20.5915, 0.3468,
0.5510

■ 27.4872, 0.3045,
0.3024

■ 20.2758, 0.3429,
0.5639

■ 28.6262, 0.2980,
0.2827

■ 20.2128, 0.3421,
0.5666

■ 29.8575, 0.2918,
0.2650

■ 31.1832, 0.2860,
0.2492

■ 32.6055, 0.2807,
0.2350

Harmonies

Analogous

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



23.0891, 0.3881, 0.4225



23.0891, 0.3379, 0.4294



23.0891, 0.2835, 0.4015

Triad

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



23.0891, 0.3379, 0.4294



23.0891, 0.2151, 0.2569



23.0891, 0.3891, 0.3056

Complementary

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



23.0891, 0.3379, 0.4294



12.1508, 0.2778, 0.2278

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.



23.0891, 0.3359, 0.2696



23.0891, 0.3379, 0.4294



23.0891, 0.2375, 0.2415

Square

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



23.0891, 0.3379, 0.4294



23.0891, 0.2156, 0.2941



23.0891, 0.2801, 0.2468



23.0891, 0.4207, 0.3484

Rectangle

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



23.0891, 0.3379, 0.4294



23.0891, 0.2522, 0.3674



23.0891, 0.2801, 0.2468



23.0891, 0.3729, 0.2925

Sweetspot

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



23.0901, 0.3379, 0.4294



44.3785, 0.3205, 0.3563



17.7915, 0.3846, 0.3740



10.1836, 0.3213, 0.3593



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.



23.0901, 0.3379, 0.4294



39.7880, 0.3422, 0.4526



21.5562, 0.3093, 0.4388



5.7298, 0.3191, 0.3511



17.9713, 0.3424, 0.5663



0.1281, 0.3756, 0.5400

Inverse Universe

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



12.1508, 0.2778, 0.2278



17.7735, 0.2681, 0.2042



14.1308, 0.3144, 0.2381



5.0003, 0.3059, 0.3069



2.7230, 0.1996, 0.0873



0.0267, 0.2488, 0.1144

Previews

White Background



This preview shows how the Yxy color 23.0891, 0.3379, 0.4294 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 23.0891, 0.3379, 0.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

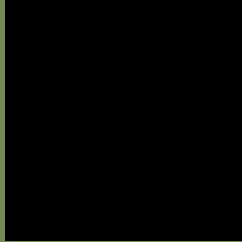
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0891, 0.3379, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 23.0891, 0.3379, 0.4294.



This preview shows how white text looks on a background with the Yxy color 23.0891, 0.3379, 0.4294.

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

23.0891, 0.3379, 0.4294

Protanopia

22.9823, 0.3791, 0.4114

Deuteranopia

22.8280, 0.3941, 0.3876



Tritanopia

22.9996, 0.2907, 0.3096

Trichromacy



Original Color

23.0891, 0.3379, 0.4294

Protanomaly

22.9704, 0.3637, 0.4182

Deuteranomaly

22.7047, 0.3730, 0.4018

Tritanomaly

23.0314, 0.3083, 0.3528

Monochromacy



Original Color

23.0891, 0.3379, 0.4294

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.5400, 0.3227, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0891, 0.3379, 0.4294 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(115, 140, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 140, 87) }
```

Border

The CSS property to change the border of an element to Yxy 23.0891, 0.3379, 0.4294 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, 87) }
```

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

```
.border{ border-color:rgb(115, 140, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 140, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 140, 87);  
box-shadow:4px 4px 4px 4px rgb(115, 140,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0891, 0.3379, 0.4294 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, 87) }
```

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

```
.background{ background-color: rgb(115,  
140, 87) }
```

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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