

Converting Colors

$Y_{xy}(23.8240, 0.3273, 0.4189)$

Have a look what the booklet for
Yxy(23.8240, 0.3273, 0.4189)
contains.

Yxy(23.6829, 0.3274, 0.4180)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6829, 0.3274, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	718E5F
RGB	113, 142, 95
RGB Percent	44%, 56%, 37%
CMY	0.5568, 0.4431, 0.6274
CMYK	0.20, 0.00, 0.33, 0.44
HSL	97°, 20%, 46%
HSV	97°, 33%, 56%
XYZ	18.5497, 23.6829, 14.4250
YIQ	127.9710, -2.1970, -20.7650

Conversions

Conversions Part 2

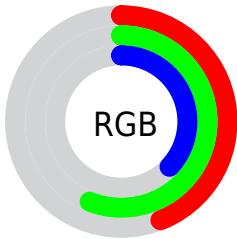
Format	Color
R_{YB}	95, 142, 124
Decimal	7442015
CIE _{Lab}	55.77, -19.32, 21.78
CIE _{LCh}	56, 29.118, 131.576
Yxy	23.6829, 0.3274, 0.4180
Android (android.graphics.Color)	4285632095 (0xFF718E5F)
YUV	127.9710, -16.2547, -13.1296
Hunter-Lab	48.6651, -17.1249, 16.4911

Details

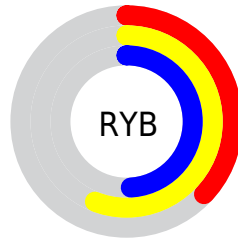
The Yxy color $23.6829, 0.3274, 0.4180$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.4280, 0.2922, 0.2438$, and the grayscale version is $21.6351, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.5545, 0.3245, 0.3976$, and $8.9577, 0.3301, 0.4566$ is the 20% darker color. If you saturate the color by 10%, you get $22.8951, 0.3307, 0.4484$, and if you desaturate by 10%, it is $24.5760, 0.3233, 0.3888$.

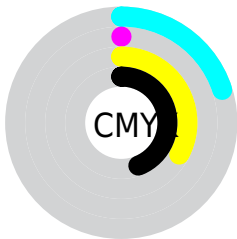
Distribution



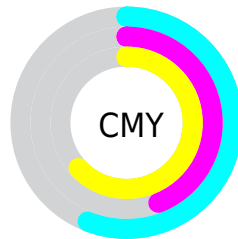
- Red (44%)
- Green (56%)
- Blue (37%)



- Red (37%)
- Yellow (56%)
- Blue (49%)



- Cyan (20%)
- Magenta (0%)
- Yellow (33%)
- Black (44%)





- Cyan (56%)
- Magenta (44%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6829, 0.3274, 0.4180 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 23.6829, 0.3274, 0.4180 by changing the saturation by 10% instead.


 23.6829, 0.3274,
0.4180


 23.6829, 0.3274,
0.4180


271.2134, 0.3204,
0.3667


 15.0986, 0.3288,
0.4336


 49.5122, 0.3251,
0.3974

 8.8886, 0.3300,
0.4556


 67.5260, 0.3241,
0.3903

 4.6686, 0.3305,
0.4888

 89.4518, 0.3233,
0.3846

 2.0542, 0.3372,
0.5599

 115.6738, 0.3225,
0.3798

 0.6387, 0.1748,
0.8252

146.5766, 0.3219,
0.3757

 0.0000, 0.0000,
0.0000

182.5446, 0.3213,

0.3723

223.9620, 0.3208,
0.3693

■ 23.6829, 0.3274,
0.4180

■ 23.6829, 0.3274,
0.4180

■ 22.8951, 0.3307,
0.4484

■ 24.5760, 0.3233,
0.3888

■ 22.2054, 0.3330,
0.4789

■ 25.5751, 0.3189,
0.3614

■ 21.6104, 0.3340,
0.5080


■ 26.6851, 0.3142,
0.3363


■ 21.1051, 0.3333,
0.5343


■ 27.9093, 0.3095,
0.3135

■ 20.6842, 0.3308,
0.5560


■ 29.2511, 0.3049,
0.2931

 20.3415, 0.3267,
0.5721

 30.7138, 0.3005,
0.2749

 20.1404, 0.3236,
0.5812

 32.3002, 0.2963,
0.2587

 34.0134, 0.2923,
0.2443

 35.8562, 0.2886,
0.2316

Harmonies

Analogous

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



23.6829, 0.3750, 0.4178



23.6829, 0.3274, 0.4180



23.6829, 0.2781, 0.3874

Triad

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



23.6829, 0.3274, 0.4180



23.6829, 0.2248, 0.2590



23.6829, 0.3894, 0.3144

Complementary

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



23.6829, 0.3274, 0.4180



14.4280, 0.2922, 0.2438

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.



23.6829, 0.3433, 0.2794



23.6829, 0.3274, 0.4180



23.6829, 0.2492, 0.2479

Square

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



23.6829, 0.3274, 0.4180



23.6829, 0.2215, 0.2902



23.6829, 0.2915, 0.2557



23.6829, 0.4134, 0.3546

Rectangle

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



23.6829, 0.3274, 0.4180



23.6829, 0.2509, 0.3550



23.6829, 0.2915, 0.2557



23.6829, 0.3758, 0.3019

Sweetspot

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



23.6839, 0.3274, 0.4180



45.6414, 0.3175, 0.3540



20.9909, 0.3699, 0.3801



10.1419, 0.3181, 0.3571



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.



23.6839, 0.3274, 0.4180



40.6707, 0.3301, 0.4415



22.7103, 0.3033, 0.4120



6.1237, 0.3170, 0.3513



18.0928, 0.3239, 0.5810



0.1850, 0.3583, 0.5537

Inverse Universe

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



14.4280, 0.2922, 0.2438



21.6475, 0.2859, 0.2225



15.7317, 0.3237, 0.2581



5.4093, 0.3080, 0.3069



3.6116, 0.2292, 0.1036



0.0472, 0.2718, 0.1271

Previews

White Background



This preview shows how the Yxy color 23.6829, 0.3274, 0.4180 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 23.6829, 0.3274, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

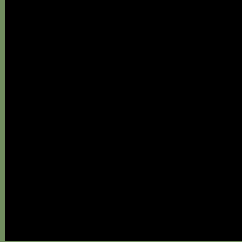
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6829, 0.3274, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 23.6829, 0.3274, 0.4180.



This preview shows how white text looks on a background with the Yxy color 23.6829, 0.3274, 0.4180.

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

23.6829, 0.3274, 0.4180

Protanopia

23.4597, 0.3722, 0.4009

Deuteranopia

23.5893, 0.3847, 0.3777



Tritanopia

23.7486, 0.2869, 0.3115

Trichromacy



Original Color

23.6829, 0.3274, 0.4180

Protanomaly

23.3676, 0.3559, 0.4076

Deuteranomaly

23.3889, 0.3631, 0.3913

Tritanomaly

23.5608, 0.3021, 0.3490

Monochromacy



Original Color

23.6829, 0.3274, 0.4180

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2470, 0.3192, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6829, 0.3274, 0.4180 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(113, 142, 95)` looks like.

```
.text, #text, p{  
    color:rgb(113, 142, 95)  
}
```

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(113, 142, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 142, 95) }
```

Border

The CSS property to change the border of an element to Yxy 23.6829, 0.3274, 0.4180 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(113, 142, 95) }
```

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

```
.border{ border-color:rgb(113, 142, 95) }
```

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

Here you see how a box with a 4 pixel rgb(113, 142, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 142, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 142, 95);  
box-shadow:4px 4px 4px 4px rgb(113, 142,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6829, 0.3274, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 142, 95) }
```

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

```
.background{ background-color: rgb(113,  
142, 95) }
```

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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