

Converting Colors

$Y_{xy}(23.7102, 0.3134, 0.4687)$

Have a look what the booklet for
Yxy(23.7102, 0.3134, 0.4687)
contains.

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Color

Yxy(23.7561, 0.3141, 0.4694)

Conversions

Conversions Part 1

Format	Color
Hex	57944E
RGB	87, 148, 78
RGB Percent	34%, 58%, 31%
CMY	0.6588, 0.4196, 0.6941
CMYK	0.41, 0.00, 0.47, 0.42
HSL	112°, 31%, 44%
HSV	112°, 47%, 58%
XYZ	15.8964, 23.7561, 10.9570
YIQ	121.7810, -13.8860, -34.7020

Conversions

Conversions Part 2

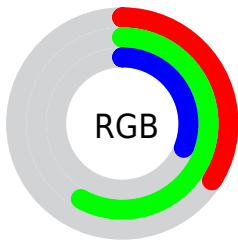
Format	Color
R_{YB}	78, 148, 139
Decimal	5739598
CIE _{Lab}	55.84, -34.19, 30.84
CIE _{LCh}	56, 46.042, 137.946
Yxy	23.7561, 0.3141, 0.4694
Android (android.graphics.Color)	4283929678 (0xFF57944E)
YUV	121.7810, -21.5840, -30.5029
Hunter-Lab	48.7402, -27.0783, 20.7896

Details

The Yxy color **23.7561, 0.3141, 0.4694** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.0776, 0.3051, 0.2132**, and the grayscale version is **19.4635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8458, 0.3162, 0.4370**, and **8.9884, 0.3061, 0.5310** is the 20% darker color. If you saturate the color by 10%, you get **23.0017, 0.3132, 0.5028**, and if you desaturate by 10%, it is **24.6712, 0.3145, 0.4358**.

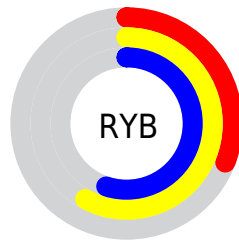
Distribution



Red (34%)

Green (58%)

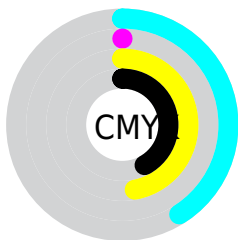
Blue (31%)



Red (31%)

Yellow (58%)

Blue (55%)

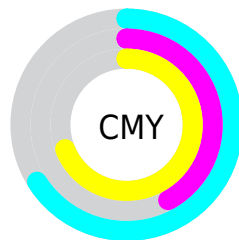


Cyan (41%)

Magenta (0%)

Yellow (47%)

Black (42%)



Cyan (66%)


Magenta (42%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7561, 0.3141, 0.4694 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 23.7561, 0.3141, 0.4694 by changing the saturation by 10% instead.


 23.7561, 0.3141,
0.4694


 23.7561, 0.3141,
0.4694


271.5851, 0.3164,
0.3870


 15.1528, 0.3116,
0.4949


 49.6319, 0.3161,
0.4360

 8.9267, 0.3066,
0.5309


 67.6732, 0.3164,
0.4246


 4.6934, 0.2958,
0.5847

 89.6292, 0.3166,
0.4153

 2.0685, 0.2870,
0.7130

 115.8845, 0.3166,
0.4077

 0.6468, 0.0000,
1.0000

 146.8233, 0.3166,
0.4013

 0.0000, 0.0000,
0.0000

182.8301, 0.3166,

0.3958

224.2892, 0.3165,
0.3911

■ 23.7561, 0.3141,
0.4694

■ 23.7561, 0.3141,
0.4694

■ 23.0017, 0.3132,
0.5028

■ 24.6712, 0.3145,
0.4358

■ 22.3959, 0.3116,
0.5340

■ 25.7524, 0.3144,
0.4036

■ 21.9296, 0.3095,
0.5606


■ 27.0085, 0.3140,
0.3738

■ 21.5913, 0.3070,
0.5807


■ 28.4469, 0.3133,
0.3468


■ 21.3656, 0.3044,
0.5938


■ 30.0744, 0.3125,
0.3228

 21.3189, 0.3040,
0.5968

 31.8976, 0.3116,
0.3017

 33.9228, 0.3106,
0.2833

 36.1558, 0.3096,
0.2673

 38.6023, 0.3086,
0.2533

Harmonies

Analogous

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



23.7561, 0.3895, 0.4717



23.7561, 0.3141, 0.4694



23.7561, 0.2424, 0.4086

Triad

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



23.7561, 0.3141, 0.4694



23.7561, 0.1870, 0.2162



23.7561, 0.4460, 0.3155

Complementary

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



23.7561, 0.3141, 0.4694



13.0776, 0.3051, 0.2132

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.



23.7561, 0.3768, 0.2638



23.7561, 0.3141, 0.4694



23.7561, 0.2271, 0.2089

Square

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



23.7561, 0.3141, 0.4694



23.7561, 0.1754, 0.2528



23.7561, 0.2942, 0.2261



23.7561, 0.4721, 0.3736

Rectangle

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



23.7561, 0.3141, 0.4694



23.7561, 0.2065, 0.3503



23.7561, 0.2942, 0.2261



23.7561, 0.4266, 0.2972

Sweetspot

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



23.7571, 0.3141, 0.4694



48.3841, 0.3138, 0.3653



25.2158, 0.3869, 0.4284



10.9348, 0.3139, 0.3708



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.7571, 0.3141, 0.4694



40.4842, 0.3131, 0.5056



23.7932, 0.2857, 0.4192



6.5021, 0.3135, 0.3517



18.2168, 0.3042, 0.5966



0.2299, 0.3221, 0.5825

Inverse Universe

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



13.0776, 0.3051, 0.2132



19.2176, 0.3023, 0.1895



13.1599, 0.3571, 0.2544



5.8718, 0.3118, 0.3070



5.8190, 0.2894, 0.1368



0.0797, 0.3059, 0.1459

Previews

White Background



This preview shows how the Yxy color 23.7561, 0.3141, 0.4694 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 23.7561, 0.3141, 0.4694 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 23.7561, 0.3141, 0.4694

Background



This preview shows how black text looks on a background with the Yxy color 23.7561, 0.3141, 0.4694.



This preview shows how white text looks on a background with the Yxy color 23.7561, 0.3141, 0.4694.

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

23.7561, 0.3141, 0.4694

Protanopia

23.4591, 0.3948, 0.4283

Deuteranopia

23.3803, 0.4065, 0.3985



Tritanopia

23.7572, 0.2644, 0.3090

Trichromacy



Original Color

23.7561, 0.3141, 0.4694

Protanomaly

23.0449, 0.3620, 0.4434

Deuteranomaly

22.9904, 0.3691, 0.4246

Tritanomaly

23.5870, 0.2834, 0.3655

Monochromacy



Original Color

23.7561, 0.3141, 0.4694

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.5244, 0.3138, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7561, 0.3141, 0.4694 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(87, 148, 78)` looks like.

```
.text, #text, p{  
    color:rgb(87, 148, 78)  
}
```

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(87, 148, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 148, 78) }
```

Border

The CSS property to change the border of an element to Yxy 23.7561, 0.3141, 0.4694 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(87, 148, 78) }
```

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

```
.border{ border-color:rgb(87, 148, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 148, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 148, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 148, 78);  
box-shadow:4px 4px 4px 4px rgb(87, 148,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7561, 0.3141, 0.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 148, 78) }
```

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

```
.background{ background-color: rgb(87, 148,  
78) }
```

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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