

Converting Colors

$Y_{xy}(23.2378, 0.3730, 0.4831)$

Have a look what the booklet for
Yxy(23.2378, 0.3730, 0.4831)
contains.

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Color

Yxy(23.3717, 0.3734, 0.4834)

Conversions

Conversions Part 1

Format	Color
Hex	798D35
RGB	121, 141, 53
RGB Percent	47%, 55%, 21%
CMY	0.5254, 0.4471, 0.7923
CMYK	0.14, 0.00, 0.62, 0.45
HSL	74°, 45%, 38%
HSV	74°, 62%, 55%
XYZ	18.0534, 23.3717, 6.9235
YIQ	124.9880, 16.3280, -31.6080

Conversions

Conversions Part 2

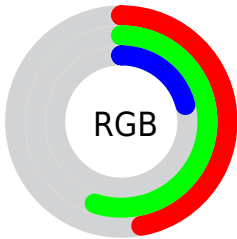
Format	Color
RYB	53, 141, 73
Decimal	7966005
CIELab	55.45, -20.57, 43.37
CIELCh	55, 48.000, 115.378
Yxy	23.3717, 0.3734, 0.4834
Android (android.graphics.Color)	4286156085 (0xFF798D35)
YUV	124.9880, -35.4901, -3.4975
Hunter-Lab	48.3443, -17.9447, 25.3499

Details

The Yxy color **23.3717, 0.3734, 0.4834** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.8810, 0.2175, 0.1449**, and the grayscale version is **20.6217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1436, 0.3631, 0.4495**, and **8.7474, 0.3800, 0.5365** is the 20% darker color. If you saturate the color by 10%, you get **23.0341, 0.3784, 0.5028**, and if you desaturate by 10%, it is **23.7573, 0.3663, 0.4608**.

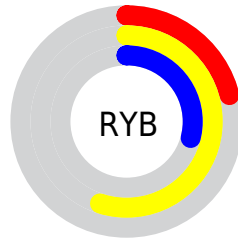
Distribution



Red (47%)

Green (55%)

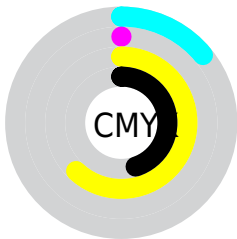
Blue (21%)



Red (21%)

Yellow (55%)

Blue (29%)

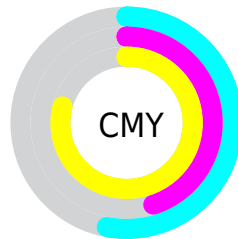


Cyan (14%)

Magenta (0%)

Yellow (62%)

Black (45%)



Cyan (53%)


Magenta (45%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3717, 0.3734, 0.4834 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 23.3717, 0.3734, 0.4834 by changing the saturation by 10% instead.


 23.3717, 0.3734,
0.4834


 23.3717, 0.3734,
0.4834


269.6284, 0.3442,
0.3962


 14.8682, 0.3785,
0.5076


 49.0029, 0.3639,
0.4496


 8.7269, 0.3826,
0.5390


 66.8995, 0.3599,
0.4375


 4.5635, 0.3952,
0.6001

 88.6958, 0.3564,
0.4275

 1.9935, 0.3671,
0.6329

 114.7764, 0.3533,
0.4192

 0.6037, 0.1060,
0.8940

 145.5255, 0.3506,
0.4121

 0.0000, 0.0000,
0.0000

 181.3276, 0.3482,

0.4061

222.5671, 0.3461,
0.4008

■ 23.3717, 0.3734,
0.4834

■ 23.3717, 0.3734,
0.4834

■ 23.0341, 0.3784,
0.5028

■ 23.7573, 0.3663,
0.4608

■ 22.7378, 0.3811,
0.5183

■ 24.1907, 0.3576,
0.4362

■ 22.4796, 0.3813,
0.5294

■ 24.6760, 0.3476,
0.4104

■ 22.3005, 0.3805,
0.5361

■ 25.2156, 0.3370,
0.3844

■ 25.8120, 0.3261,
0.3590

■ 26.4673, 0.3153,
0.3347

■ 27.1837, 0.3048,
0.3119

■ 27.9631, 0.2948,
0.2907

■ 28.8075, 0.2853,
0.2713

Harmonies

Analogous

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



23.3717, 0.4413, 0.4473



23.3717, 0.3734, 0.4834



23.3717, 0.2937, 0.4665

Triad

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



23.3717, 0.3734, 0.4834



23.3717, 0.1702, 0.2365



23.3717, 0.4004, 0.2732

Complementary

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



23.3717, 0.3734, 0.4834



5.8810, 0.2175, 0.1449

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.



23.3717, 0.3139, 0.2299



23.3717, 0.3734, 0.4834



23.3717, 0.1895, 0.2071

Square

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



23.3717, 0.3734, 0.4834



23.3717, 0.1809, 0.3000



23.3717, 0.2382, 0.2064



23.3717, 0.4641, 0.3289

Rectangle

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



23.3717, 0.3734, 0.4834



23.3717, 0.2445, 0.4201



23.3717, 0.2382, 0.2064



23.3717, 0.3723, 0.2570

Sweetspot

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



23.3728, 0.3734, 0.4834



45.4687, 0.3337, 0.3766



10.5596, 0.4781, 0.3620



10.0971, 0.3365, 0.3831



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.



23.3728, 0.3734, 0.4834



41.0193, 0.3798, 0.5098



20.9227, 0.3250, 0.5112



6.2245, 0.3226, 0.3510



20.3408, 0.3807, 0.5359



0.2042, 0.4002, 0.5204

Inverse Universe

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



5.8810, 0.2175, 0.1449



6.9748, 0.1934, 0.1066



8.1833, 0.2795, 0.1721



5.3104, 0.3023, 0.3065



2.0399, 0.1642, 0.0678



0.0280, 0.2031, 0.0893

Previews

White Background



This preview shows how the Yxy color 23.3717, 0.3734, 0.4834 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 23.3717, 0.3734, 0.4834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

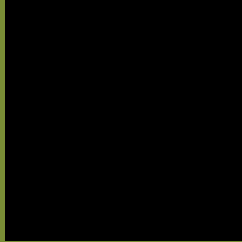
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3717, 0.3734, 0.4834

Background



This preview shows how black text looks on a background with the Yxy color 23.3717, 0.3734, 0.4834.



This preview shows how white text looks on a background with the Yxy color 23.3717, 0.3734, 0.4834.

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

23.3717, 0.3734, 0.4834

Protanopia

23.3100, 0.4155, 0.4569

Deuteranopia

23.1197, 0.4368, 0.4291



Tritanopia

23.3110, 0.3002, 0.3101

Trichromacy



Original Color

23.3717, 0.3734, 0.4834

Protanomaly

23.2595, 0.3993, 0.4666

Deuteranomaly

22.8140, 0.4135, 0.4483

Tritanomaly

22.9658, 0.3299, 0.3746

Monochromacy



Original Color

23.3717, 0.3734, 0.4834

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4185, 0.3393, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3717, 0.3734, 0.4834 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(121, 141, 53)` looks like.

```
.text, #text, p{  
    color:rgb(121, 141, 53)  
}
```

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(121, 141, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 141, 53) }
```

Border

The CSS property to change the border of an element to Yxy 23.3717, 0.3734, 0.4834 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(121, 141, 53) }
```

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

```
.border{ border-color:rgb(121, 141, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 141, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 141, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 141, 53);  
box-shadow:4px 4px 4px 4px rgb(121, 141,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3717, 0.3734, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 141, 53) }
```

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

```
.background{ background-color: rgb(121,  
141, 53) }
```

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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