

Converting Colors

$Y_{xy}(23.7758, 0.3872, 0.5151)$

Have a look what the booklet for
Yxy(23.7758, 0.3872, 0.5151)
contains.

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Color

Yxy(23.7758, 0.3872, 0.5151)

Conversions

Conversions Part 1

Format	Color
Hex	798F18
RGB	121, 143, 24
RGB Percent	47%, 56%, 9%
CMY	0.5255, 0.4392, 0.9060
CMYK	0.15, 0.00, 0.83, 0.44
HSL	71°, 71%, 33%
HSV	71°, 83%, 56%
XYZ	17.8722, 23.7758, 4.5096
YIQ	122.8560, 25.0870, -41.6730

Conversions

Conversions Part 2

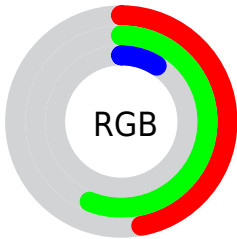
Format	Color
R_{YB}	24, 143, 46
Decimal	7966488
CIE _{Lab}	55.86, -23.30, 54.70
CIE _{LCh}	56, 59.460, 113.072
Yxy	23.7758, 0.3872, 0.5151
Android (android.graphics.Color)	4286156568 (0xFF798F18)
YUV	122.8560, -48.7360, -1.6277
Hunter-Lab	48.7604, -19.9049, 28.6489

Details

The Yxy color **23.7758, 0.3872, 0.5151** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.2158, 0.1786, 0.0896**, and the grayscale version is **19.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7418, 0.3774, 0.4775**, and **9.0576, 0.3755, 0.5400** is the 20% darker color. If you saturate the color by 10%, you get **23.5438, 0.3879, 0.5250**, and if you desaturate by 10%, it is **24.0464, 0.3840, 0.5009**.

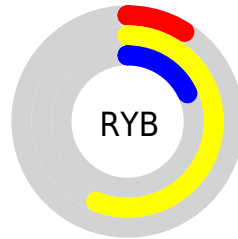
Distribution



Red (47%)

Green (56%)

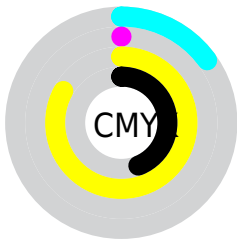
Blue (9%)



Red (9%)

Yellow (56%)

Blue (18%)

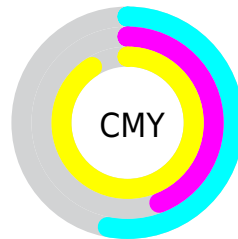


Cyan (15%)

Magenta (0%)

Yellow (83%)

Black (44%)



Cyan (53%)


Magenta (44%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7758, 0.3872, 0.5151 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 23.7758, 0.3872, 0.5151 by changing the saturation by 10% instead.


 23.7758, 0.3872,
0.5151

 23.7758, 0.3872,
0.5151

271.6850, 0.3541,
0.4125


 15.1674, 0.3909,
0.5410


 49.6641, 0.3777,
0.4767


 8.9370, 0.3929,
0.5751


 67.7128, 0.3732,
0.4624


 4.7001, 0.3857,
0.6143

 89.6770, 0.3691,
0.4506

 2.0724, 0.3524,
0.6476

 115.9411, 0.3654,
0.4405

 0.6490, 0.0689,
0.9311

 146.8896, 0.3621,
0.4319

 0.0000, 0.0000,
0.0000

 182.9068, 0.3591,

0.4246

224.3772, 0.3565,
0.4181

23.7758, 0.3872,
0.5151

23.7758, 0.3872,
0.5151

23.5438, 0.3879,
0.5250

24.0464, 0.3840,
0.5009

23.3982, 0.3877,
0.5304

24.3567, 0.3785,
0.4826

24.7115, 0.3708,
0.4610

25.1141, 0.3614,
0.4371

25.5672, 0.3508,
0.4119

■ 26.0737, 0.3395,
0.3862

■ 26.6358, 0.3279,
0.3609

■ 27.2559, 0.3164,
0.3366

■ 27.9362, 0.3052,
0.3136

Harmonies

Analogous

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



23.7758, 0.4682, 0.4599



23.7758, 0.3872, 0.5151



23.7758, 0.2928, 0.5078

Triad

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



23.7758, 0.3872, 0.5151



23.7758, 0.1449, 0.2202



23.7758, 0.4120, 0.2569

Complementary

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



23.7758, 0.3872, 0.5151



3.2158, 0.1786, 0.0896

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.



23.7758, 0.3047, 0.2089



23.7758, 0.3872, 0.5151



23.7758, 0.1644, 0.1855

Square

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



23.7758, 0.3872, 0.5151



23.7758, 0.1581, 0.2979



23.7758, 0.2171, 0.1837



23.7758, 0.4945, 0.3194

Rectangle

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



23.7758, 0.3872, 0.5151



23.7758, 0.2340, 0.4524



23.7758, 0.2171, 0.1837



23.7758, 0.3763, 0.2388

Sweetspot

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



23.7769, 0.3872, 0.5151



46.4746, 0.3421, 0.3921



7.8439, 0.5658, 0.3561



10.5913, 0.3457, 0.4002



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.7769, 0.3872, 0.5151



41.8312, 0.3870, 0.5309



20.7253, 0.3238, 0.5615



6.2357, 0.3232, 0.3509



20.6955, 0.3878, 0.5303



0.2063, 0.4040, 0.5174

Inverse Universe

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



3.2158, 0.1786, 0.0896



3.8987, 0.1586, 0.0647



5.6576, 0.2574, 0.1307



5.3000, 0.3017, 0.3065



1.9600, 0.1603, 0.0657



0.0259, 0.1942, 0.0843

Previews

White Background



This preview shows how the Yxy color 23.7758, 0.3872, 0.5151 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 23.7758, 0.3872, 0.5151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

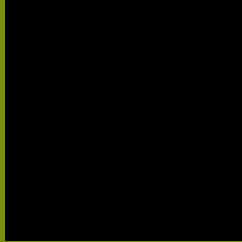
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7758, 0.3872, 0.5151

Background



This preview shows how black text looks on a background with the Yxy color 23.7758, 0.3872, 0.5151.



This preview shows how white text looks on a background with the Yxy color 23.7758, 0.3872, 0.5151.

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

23.7758, 0.3872, 0.5151

Protanopia

23.6836, 0.4349, 0.4808

Deuteranopia

23.6191, 0.4581, 0.4503



Tritanopia

23.6942, 0.3003, 0.3102

Trichromacy



Original Color

23.7758, 0.3872, 0.5151

Protanomaly

23.5247, 0.4175, 0.4934

Deuteranomaly

23.4481, 0.4324, 0.4741

Tritanomaly

23.4006, 0.3411, 0.3962

Monochromacy



Original Color

23.7758, 0.3872, 0.5151

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7910, 0.3503, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7758, 0.3872, 0.5151 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, 143, 24)` looks like.

```
.text, #text, p{  
    color:rgb(121, 143, 24)  
}
```

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, 143, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 143, 24) }
```

Border

The CSS property to change the border of an element to Yxy 23.7758, 0.3872, 0.5151 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, 143, 24) }
```

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

```
.border{ border-color:rgb(121, 143, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 143, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 143, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 143, 24);  
box-shadow:4px 4px 4px 4px rgb(121, 143,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7758, 0.3872, 0.5151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 143, 24) }
```

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

```
.background{ background-color: rgb(121,  
143, 24) }
```

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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