

Converting Colors

$Y_{xy}(23.9074, 0.4220, 0.4539)$

Have a look what the booklet for
Yxy(23.9074, 0.4220, 0.4539)
contains.

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Color

Yxy(23.7864, 0.4216, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	998533
RGB	153, 133, 51
RGB Percent	60%, 52%, 20%
CMY	0.4001, 0.4784, 0.8000
CMYK	0.00, 0.13, 0.67, 0.40
HSL	48°, 50%, 40%
HSV	48°, 67%, 60%
XYZ	22.1181, 23.7864, 6.5578
YIQ	129.6320, 38.2420, -21.2620

Conversions

Conversions Part 2

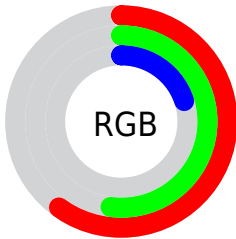
Format	Color
R_{YB}	76, 153, 51
Decimal	10061107
CIE _{Lab}	55.87, -2.26, 45.52
CIE _{LCh}	56, 45.579, 92.836
Yxy	23.7864, 0.4216, 0.4534
Android (android.graphics.Color)	4288251187 (0xFF998533)
YUV	129.6320, -38.7656, 20.4937
Hunter-Lab	48.7713, -4.3989, 26.1678

Details

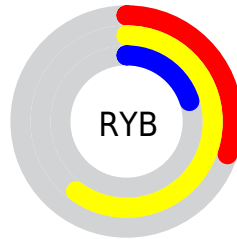
The Yxy color **23.7864, 0.4216, 0.4534** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.5047, 0.1953, 0.1565**, and the grayscale version is **22.3155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7590, 0.4017, 0.4300**, and **8.9933, 0.4469, 0.4833** is the 20% darker color. If you saturate the color by 10%, you get **22.8657, 0.4354, 0.4645**, and if you desaturate by 10%, it is **24.7771, 0.4060, 0.4387**.

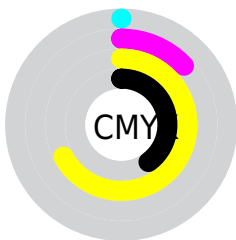
Distribution



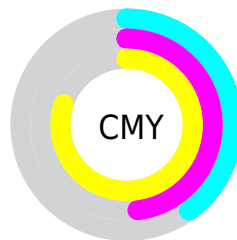
- Red (60%)
- Green (52%)
- Blue (20%)



- Red (30%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (13%)
- Yellow (67%)
- Black (40%)





- Cyan (40%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7864, 0.4216, 0.4534 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 23.7864, 0.4216, 0.4534 by changing the saturation by 10% instead.


 23.7864, 0.4216,
0.4534


 23.7864, 0.4216,
0.4534


271.7388, 0.3649,
0.3877


 15.1752, 0.4347,
0.4691


 49.6814, 0.4013,
0.4295


 8.9425, 0.4496,
0.4876


 67.7341, 0.3935,
0.4204

 4.7037, 0.4779,
0.5221

 89.7027, 0.3868,
0.4128

 2.0745, 0.4749,
0.5251

 115.9716, 0.3812,
0.4062

 0.6502, 0.4640,
0.5360

 146.9253, 0.3762,
0.4006

 0.0000, 0.0000,
0.0000

 182.9481, 0.3720,

0.3957

224.4245, 0.3682,
0.3914

■ 23.7864, 0.4216,
0.4534

■ 23.7864, 0.4216,
0.4534

■ 22.8657, 0.4354,
0.4645

■ 24.7771, 0.4060,
0.4387

■ 22.0070, 0.4466,
0.4713

■ 25.8386, 0.3892,
0.4212

■ 21.2040, 0.4553,
0.4739

■ 26.9756, 0.3719,
0.4020

■ 20.9431, 0.4581,
0.4745

■ 28.1916, 0.3547,
0.3818

■ 29.4896, 0.3382,
0.3616

■ 30.8726, 0.3225,
0.3418

■ 32.3433, 0.3080,
0.3228

■ 33.9042, 0.2946,
0.3049

■ 35.5578, 0.2824,
0.2882

Harmonies

Analogous

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



23.7864, 0.4645, 0.4021



23.7864, 0.4216, 0.4534



23.7864, 0.3527, 0.4762

Triad

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



23.7864, 0.4216, 0.4534



23.7864, 0.1818, 0.2842



23.7864, 0.3345, 0.2434

Complementary

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



23.7864, 0.4216, 0.4534



7.5047, 0.1953, 0.1565

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.



23.7864, 0.2579, 0.2156



23.7864, 0.4216, 0.4534



23.7864, 0.1787, 0.2316

Square

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



23.7864, 0.4216, 0.4534



23.7864, 0.2154, 0.3650



23.7864, 0.2043, 0.2103



23.7864, 0.4139, 0.2886

Rectangle

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



23.7864, 0.4216, 0.4534



23.7864, 0.3018, 0.4616



23.7864, 0.2043, 0.2103



23.7864, 0.3073, 0.2318

Sweetspot

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



23.7875, 0.4216, 0.4534



51.9471, 0.3443, 0.3691



9.5977, 0.4814, 0.2987



11.3386, 0.3485, 0.3743



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.7875, 0.4216, 0.4534



40.1953, 0.4413, 0.4684



27.1778, 0.3677, 0.4981



7.0174, 0.3265, 0.3468



17.3627, 0.4577, 0.4748



0.3063, 0.4381, 0.4904

Inverse Universe

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



7.5047, 0.1953, 0.1565



9.0624, 0.1731, 0.1170



6.4428, 0.2178, 0.1352



6.2124, 0.2988, 0.3106



2.7055, 0.1561, 0.0819



0.0826, 0.1740, 0.1465

Previews

White Background



This preview shows how the Yxy color 23.7864, 0.4216, 0.4534 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 23.7864, 0.4216, 0.4534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

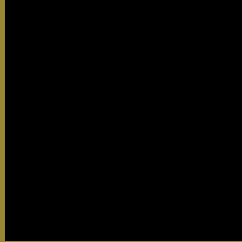
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7864, 0.4216, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 23.7864, 0.4216, 0.4534.



This preview shows how white text looks on a background with the Yxy color 23.7864, 0.4216, 0.4534.

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

23.7864, 0.4216, 0.4534

Protanopia

23.7732, 0.4169, 0.4567

Deuteranopia

23.6513, 0.4436, 0.4341



Tritanopia

23.8620, 0.3449, 0.3149

Trichromacy



Original Color

23.7864, 0.4216, 0.4534

Protanomaly

23.8685, 0.4181, 0.4560

Deuteranomaly

23.6298, 0.4362, 0.4410

Tritanomaly

23.6059, 0.3763, 0.3682

Monochromacy



Original Color

23.7864, 0.4216, 0.4534

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.5755, 0.3545, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7864, 0.4216, 0.4534 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(153, 133, 51)` looks like.

```
.text, #text, p{  
    color:rgb(153, 133, 51)  
}
```

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(153, 133, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 133, 51) }
```

Border

The CSS property to change the border of an element to Yxy 23.7864, 0.4216, 0.4534 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(153, 133, 51) }
```

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

```
.border{ border-color:rgb(153, 133, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 133, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 133, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 133, 51);  
box-shadow:4px 4px 4px 4px rgb(153, 133,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7864, 0.4216, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 133, 51) }
```

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

```
.background{ background-color: rgb(153,  
133, 51) }
```

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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