

Converting Colors

$Y_{xy}(23.5291, 0.4238, 0.4585)$

Have a look what the booklet for
Yxy(23.5291, 0.4238, 0.4585)
contains.

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Color

Yxy(23.6557, 0.4234, 0.4584)

Conversions

Conversions Part 1

Format	Color
Hex	98852F
RGB	152, 133, 47
RGB Percent	60%, 52%, 18%
CMY	0.4039, 0.4784, 0.8158
CMYK	0.00, 0.12, 0.69, 0.40
HSL	49°, 53%, 39%
HSV	49°, 69%, 60%
XYZ	21.8495, 23.6557, 6.0997
YIQ	128.8770, 38.9300, -22.7180

Conversions

Conversions Part 2

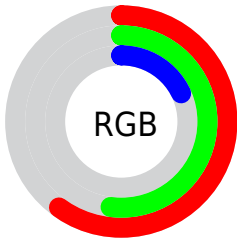
Format	Color
R_{YB}	70, 152, 47
Decimal	9995567
CIE _{Lab}	55.74, -2.94, 47.17
CIE _{LCh}	56, 47.257, 93.563
Yxy	23.6557, 0.4234, 0.4584
Android (android.graphics.Color)	4288185647 (0xFF98852F)
YUV	128.8770, -40.3654, 20.2789
Hunter-Lab	48.6371, -4.9264, 26.6103

Details

The Yxy color **23.6557, 0.4234, 0.4584** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.7630, 0.1906, 0.1467**, and the grayscale version is **22.0410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5550, 0.4029, 0.4335**, and **8.9373, 0.4452, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **22.8118, 0.4361, 0.4687**, and if you desaturate by 10%, it is **24.5643, 0.4086, 0.4443**.

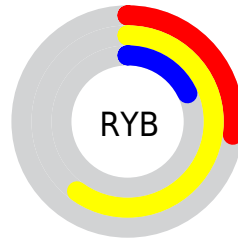
Distribution



Red (60%)

Green (52%)

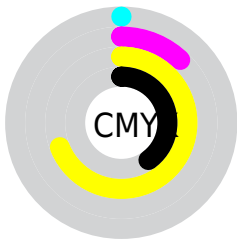
Blue (18%)



Red (27%)

Yellow (60%)

Blue (18%)

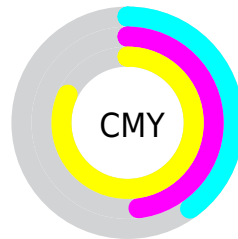


Cyan (0%)

Magenta (12%)

Yellow (69%)

Black (40%)



Cyan (40%)


Magenta (48%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6557, 0.4234, 0.4584 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 23.6557, 0.4234, 0.4584 by changing the saturation by 10% instead.


 23.6557, 0.4234,
0.4584

 23.6557, 0.4234,
0.4584


 271.0752, 0.3662,
0.3902


 15.0784, 0.4362,
0.4745


 49.4678, 0.4031,
0.4337


 8.8744, 0.4505,
0.4932


 67.4713, 0.3952,
0.4243


 4.6594, 0.4750,
0.5250

 89.3858, 0.3885,
0.4163

 2.0488, 0.4711,
0.5289

 115.5955, 0.3827,
0.4095

 0.6356, 0.4558,
0.5442

 146.4849, 0.3777,
0.4036

 0.0000, 0.0000,
0.0000

 182.4384, 0.3734,

0.3986

223.8404, 0.3696,
0.3941

■ 23.6557, 0.4234,
0.4584

■ 23.6557, 0.4234,
0.4584

■ 22.8118, 0.4361,
0.4687

■ 24.5643, 0.4086,
0.4443

■ 22.0243, 0.4462,
0.4747

■ 25.5384, 0.3925,
0.4272

■ 21.2841, 0.4540,
0.4770

■ 26.5827, 0.3756,
0.4080

■ 21.2189, 0.4547,
0.4772

■ 27.7007, 0.3586,
0.3878

■ 28.8953, 0.3420,
0.3672

■ 30.1694, 0.3262,
0.3468

■ 31.5258, 0.3114,
0.3273

■ 32.9669, 0.2978,
0.3088

■ 34.4952, 0.2853,
0.2915

Harmonies

Analogous

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



23.6557, 0.4692, 0.4052



23.6557, 0.4234, 0.4584



23.6557, 0.3516, 0.4821

Triad

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



23.6557, 0.4234, 0.4584



23.6557, 0.1771, 0.2804



23.6557, 0.3372, 0.2415

Complementary

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



23.6557, 0.4234, 0.4584



6.7630, 0.1906, 0.1467

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.



23.6557, 0.2575, 0.2124



23.6557, 0.4234, 0.4584



23.6557, 0.1748, 0.2272

Square

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



23.6557, 0.4234, 0.4584



23.6557, 0.2106, 0.3641



23.6557, 0.2017, 0.2063



23.6557, 0.4196, 0.2883

Rectangle

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



23.6557, 0.4234, 0.4584



23.6557, 0.2990, 0.4663



23.6557, 0.2017, 0.2063



23.6557, 0.3089, 0.2295

Sweetspot

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



23.6568, 0.4234, 0.4584



50.5017, 0.3458, 0.3719



9.1020, 0.4950, 0.3013



11.3563, 0.3500, 0.3771



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.



23.6568, 0.4234, 0.4584



39.4848, 0.4420, 0.4725



26.5664, 0.3667, 0.5043



7.0328, 0.3264, 0.3471



17.8314, 0.4544, 0.4774



0.3105, 0.4366, 0.4916

Inverse Universe

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



6.7630, 0.1906, 0.1467



7.8705, 0.1687, 0.1070



6.0127, 0.2159, 0.1297



6.1981, 0.2988, 0.3102



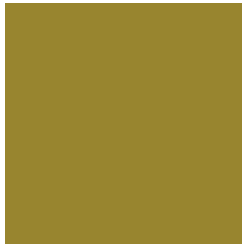
2.6120, 0.1554, 0.0795



0.0785, 0.1725, 0.1409

Previews

White Background



This preview shows how the Yxy color 23.6557, 0.4234, 0.4584 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 23.6557, 0.4234, 0.4584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

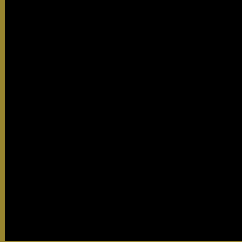
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6557, 0.4234, 0.4584

Background



This preview shows how black text looks on a background with the Yxy color 23.6557, 0.4234, 0.4584.



This preview shows how white text looks on a background with the Yxy color 23.6557, 0.4234, 0.4584.

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

23.6557, 0.4234, 0.4584

Protanopia

23.6450, 0.4186, 0.4618

Deuteranopia

23.6160, 0.4468, 0.4382



Tritanopia

23.5075, 0.3439, 0.3132

Trichromacy



Original Color

23.6557, 0.4234, 0.4584

Protanomaly

23.7395, 0.4198, 0.4611

Deuteranomaly

23.5953, 0.4393, 0.4452

Tritanomaly

23.2060, 0.3779, 0.3701

Monochromacy



Original Color

23.6557, 0.4234, 0.4584

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1845, 0.3559, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6557, 0.4234, 0.4584 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(152, 133, 47)` looks like.

```
.text, #text, p{  
    color:rgb(152, 133, 47)  
}
```

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(152, 133, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 133, 47) }
```

Border

The CSS property to change the border of an element to Yxy 23.6557, 0.4234, 0.4584 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(152, 133, 47) }
```

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

```
.border{ border-color:rgb(152, 133, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 133, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 133, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 133, 47);  
box-shadow:4px 4px 4px 4px rgb(152, 133,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6557, 0.4234, 0.4584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 133, 47) }
```

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

```
.background{ background-color: rgb(152,  
133, 47) }
```

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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