

Converting Colors

$Y_{xy}(23.9551, 0.4068, 0.4353)$

Have a look what the booklet for
Yxy(23.9551, 0.4068, 0.4353)
contains.

Yxy(23.8557, 0.4068, 0.4342)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8557, 0.4068, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	988543
RGB	152, 133, 67
RGB Percent	60%, 52%, 26%
CMY	0.4039, 0.4784, 0.7373
CMYK	0.00, 0.13, 0.56, 0.40
HSL	47°, 39%, 43%
HSV	47°, 56%, 60%
XYZ	22.3503, 23.8557, 8.7357
YIQ	131.1570, 32.5100, -16.4980

Conversions

Conversions Part 2

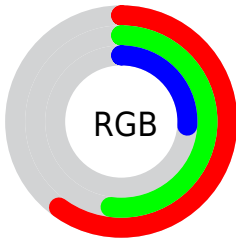
Format	Color
R_{YB}	91, 152, 67
Decimal	9995587
CIE _{Lab}	55.94, -1.48, 37.78
CIE _{LCh}	56, 37.809, 92.248
Yxy	23.8557, 0.4068, 0.4342
Android (android.graphics.Color)	4288185667 (0xFF988543)
YUV	131.1570, -31.6294, 18.2793
Hunter-Lab	48.8423, -3.7922, 23.5852

Details

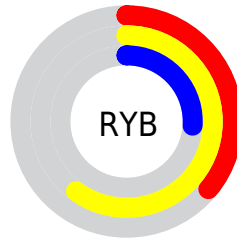
The Yxy color **23.8557, 0.4068, 0.4342** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.1158, 0.2155, 0.1927**, and the grayscale version is **22.8632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8121, 0.3880, 0.4131**, and **9.0403, 0.4349, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **22.7822, 0.4234, 0.4488**, and if you desaturate by 10%, it is **25.0094, 0.3892, 0.4170**.

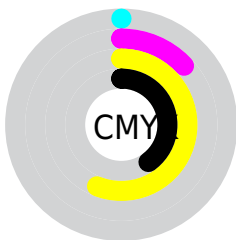
Distribution



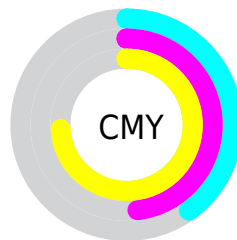
- Red (60%)
- Green (52%)
- Blue (26%)



- Red (36%)
- Yellow (60%)
- Blue (26%)



- Cyan (0%)
- Magenta (13%)
- Yellow (56%)
- Black (40%)





- Cyan (40%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8557, 0.4068, 0.4342 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 23.8557, 0.4068, 0.4342 by changing the saturation by 10% instead.


 23.8557, 0.4068,
0.4342


 23.8557, 0.4068,
0.4342

272.0901, 0.3566,
0.3776


 15.2266, 0.4194,
0.4487


 49.7946, 0.3882,
0.4131


 8.9786, 0.4349,
0.4668


 67.8732, 0.3813,
0.4052


 4.7272, 0.4568,
0.4926

 89.8705, 0.3755,
0.3987

 2.0881, 0.4792,
0.5208

 116.1708, 0.3705,
0.3932

 0.6579, 0.4724,
0.5276

 147.1585, 0.3663,
0.3884

 0.0000, 0.0000,
0.0000

183.2180, 0.3626,

0.3843

224.7338, 0.3594,
0.3807

■ 23.8557, 0.4068,
0.4342

■ 23.8557, 0.4068,
0.4342

■ 22.7822, 0.4234,
0.4488

■ 25.0094, 0.3892,
0.4170

■ 21.7815, 0.4383,
0.4598

■ 26.2438, 0.3714,
0.3982

■ 20.8499, 0.4509,
0.4666

■ 27.5631, 0.3539,
0.3787

■ 19.9810, 0.4607,
0.4689

■ 28.9707, 0.3372,
0.3591

■ 19.6389, 0.4645,
0.4694

■ 30.4695, 0.3215,
0.3399

■ 32.0621, 0.3070,
0.3217

■ 33.7512, 0.2937,
0.3045

■ 35.5392, 0.2817,
0.2885

■ 37.4287, 0.2708,
0.2737

Harmonies

Analogous

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



23.8557, 0.4406, 0.3928



23.8557, 0.4068, 0.4342



23.8557, 0.3496, 0.4501

Triad

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



23.8557, 0.4068, 0.4342



23.8557, 0.2019, 0.2944



23.8557, 0.3302, 0.2555

Complementary

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



23.8557, 0.4068, 0.4342



10.1158, 0.2155, 0.1927

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.



23.8557, 0.2661, 0.2318



23.8557, 0.4068, 0.4342



23.8557, 0.1981, 0.2483

Square

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



23.8557, 0.4068, 0.4342



23.8557, 0.2322, 0.3607



23.8557, 0.2200, 0.2282



23.8557, 0.3956, 0.2948

Rectangle

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



23.8557, 0.4068, 0.4342



23.8557, 0.3066, 0.4372



23.8557, 0.2200, 0.2282



23.8557, 0.3076, 0.2456

Sweetspot

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



23.8568, 0.4068, 0.4342



50.7731, 0.3395, 0.3618



11.3751, 0.4348, 0.2967



11.4358, 0.3424, 0.3653



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.



23.8568, 0.4068, 0.4342



39.7779, 0.4271, 0.4517



27.5573, 0.3655, 0.4718



6.9886, 0.3265, 0.3462



16.5125, 0.4641, 0.4697



0.2986, 0.4410, 0.4881

Inverse Universe

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



10.1158, 0.2155, 0.1927



13.1602, 0.1940, 0.1577



8.4378, 0.2325, 0.1654



6.2392, 0.2988, 0.3112



2.8993, 0.1575, 0.0870



0.0903, 0.1768, 0.1566

Previews

White Background



This preview shows how the Yxy color 23.8557, 0.4068, 0.4342 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 23.8557, 0.4068, 0.4342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

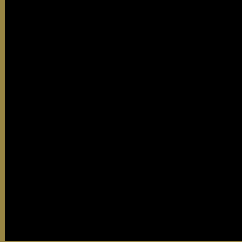
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8557, 0.4068, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 23.8557, 0.4068, 0.4342.



This preview shows how white text looks on a background with the Yxy color 23.8557, 0.4068, 0.4342.

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

23.8557, 0.4068, 0.4342

Protanopia

23.7513, 0.4009, 0.4378

Deuteranopia

23.8550, 0.4265, 0.4190



Tritanopia

23.6856, 0.3412, 0.3132

Trichromacy



Original Color

23.8557, 0.4068, 0.4342

Protanomaly

23.8450, 0.4022, 0.4372

Deuteranomaly

23.8562, 0.4185, 0.4244

Tritanomaly

23.6321, 0.3678, 0.3585

Monochromacy



Original Color

23.8557, 0.4068, 0.4342

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.0742, 0.3475, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8557, 0.4068, 0.4342 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(152, 133, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 133, 67) }
```

Border

The CSS property to change the border of an element to Yxy 23.8557, 0.4068, 0.4342 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, 67) }
```

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

```
.border{ border-color:rgb(152, 133, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 133, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 133, 67);  
box-shadow:4px 4px 4px 4px rgb(152, 133,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8557, 0.4068, 0.4342 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, 67) }
```

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

```
.background{ background-color: rgb(152,  
133, 67) }
```

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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