

Converting Colors

$Y_{xy}(23.6505, 0.3935, 0.4466)$

Have a look what the booklet for
Yxy(23.6505, 0.3935, 0.4466)
contains.

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Color

Yxy(23.7408, 0.3936, 0.4468)

Conversions

Conversions Part 1

Format	Color
Hex	8E8841
RGB	142, 136, 65
RGB Percent	56%, 53%, 25%
CMY	0.4431, 0.4667, 0.7451
CMYK	0.00, 0.04, 0.54, 0.44
HSL	55°, 37%, 41%
HSV	55°, 54%, 56%
XYZ	20.9140, 23.7408, 8.4804
YIQ	129.7000, 26.3670, -20.8090

Conversions

Conversions Part 2

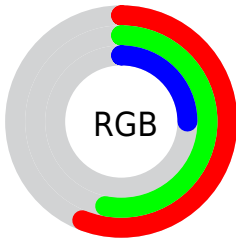
Format	Color
R_{YB}	72, 142, 65
Decimal	9340993
CIE _{Lab}	55.83, -7.74, 38.43
CIE _{LCh}	56, 39.201, 101.391
Yxy	23.7408, 0.3936, 0.4468
Android (android.graphics.Color)	4287531073 (0xFF8E8841)
YUV	129.7000, -31.8971, 10.7871
Hunter-Lab	48.7245, -8.6505, 23.7879

Details

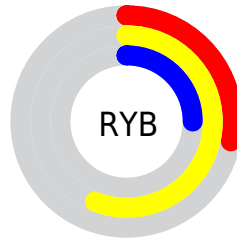
The Yxy color **23.7408, 0.3936, 0.4468** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.5829, 0.2143, 0.1745**, and the grayscale version is **22.3200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5033, 0.3779, 0.4222**, and **8.8168, 0.4154, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **23.2874, 0.4062, 0.4638**, and if you desaturate by 10%, it is **24.2410, 0.3794, 0.4271**.

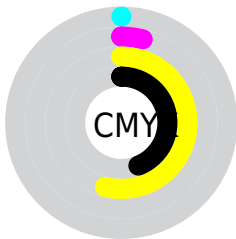
Distribution



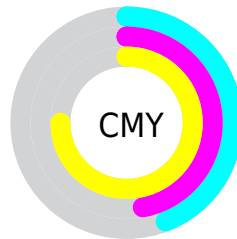
- Red (56%)
- Green (53%)
- Blue (25%)



- Red (28%)
- Yellow (56%)
- Blue (25%)



- Cyan (0%)
- Magenta (4%)
- Yellow (54%)
- Black (44%)



- Cyan (44%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7408, 0.3936, 0.4468 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 23.7408, 0.3936, 0.4468 by changing the saturation by 10% instead.


 23.7408, 0.3936,
0.4468


 23.7408, 0.3936,
0.4468


271.5074, 0.3512,
0.3821


 15.1415, 0.4038,
0.4641


 49.6069, 0.3782,
0.4222


 8.9187, 0.4157,
0.4862


 67.6424, 0.3723,
0.4132


 4.6882, 0.4330,
0.5197

 89.5922, 0.3674,
0.4058

 2.0655, 0.4440,
0.5560

 115.8405, 0.3632,
0.3995

 0.6451, 0.3967,
0.6033

 146.7718, 0.3596,
0.3942

 0.0000, 0.0000,
0.0000

182.7704, 0.3564,

0.3896

224.2208, 0.3536,
0.3856

■ 23.7408, 0.3936,
0.4468

■ 23.7408, 0.3936,
0.4468

■ 23.2874, 0.4062,
0.4638

■ 24.2410, 0.3794,
0.4271

■ 22.8744, 0.4168,
0.4772

■ 24.7875, 0.3644,
0.4056

■ 22.4991, 0.4250,
0.4866

■ 25.3841, 0.3489,
0.3831

■ 22.1571, 0.4306,
0.4919

■ 26.0331, 0.3336,
0.3604

■ 21.9672, 0.4333,
0.4941

■ 26.7367, 0.3188,
0.3382

■ 27.4972, 0.3047,
0.3168

■ 28.3163, 0.2915,
0.2966

■ 29.1962, 0.2794,
0.2779

■ 30.1384, 0.2682,
0.2605

Harmonies

Analogous

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



23.7408, 0.4380, 0.4092



23.7408, 0.3936, 0.4468



23.7408, 0.3303, 0.4517

Triad

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



23.7408, 0.3936, 0.4468



23.7408, 0.1941, 0.2755



23.7408, 0.3525, 0.2640

Complementary

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



23.7408, 0.3936, 0.4468



7.5829, 0.2143, 0.1745

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.



23.7408, 0.2831, 0.2340



23.7408, 0.3936, 0.4468



23.7408, 0.1985, 0.2363

Square

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



23.7408, 0.3936, 0.4468



23.7408, 0.2169, 0.3396



23.7408, 0.2288, 0.2236



23.7408, 0.4158, 0.3080

Rectangle

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



23.7408, 0.3936, 0.4468



23.7408, 0.2862, 0.4287



23.7408, 0.2288, 0.2236



23.7408, 0.3287, 0.2521

Sweetspot

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



23.7419, 0.3936, 0.4468



45.6559, 0.3368, 0.3652



9.9916, 0.4521, 0.3182



10.1512, 0.3395, 0.3692



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.



23.7419, 0.3936, 0.4468



40.9026, 0.4087, 0.4669



23.0384, 0.3505, 0.4737



6.2145, 0.3260, 0.3491



19.7343, 0.4333, 0.4942



0.2025, 0.4257, 0.5002

Inverse Universe

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



7.5829, 0.2143, 0.1745



9.3816, 0.1913, 0.1364



8.2793, 0.2515, 0.1778



5.3184, 0.2990, 0.3081



1.9822, 0.1519, 0.0670



0.0297, 0.1608, 0.0987

Previews

White Background



This preview shows how the Yxy color 23.7408, 0.3936, 0.4468 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 23.7408, 0.3936, 0.4468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

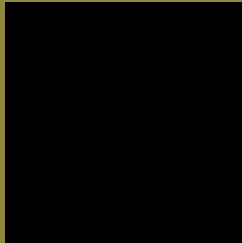
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7408, 0.3936, 0.4468

Background



This preview shows how black text looks on a background with the Yxy color 23.7408, 0.3936, 0.4468.



This preview shows how white text looks on a background with the Yxy color 23.7408, 0.3936, 0.4468.

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

23.7408, 0.3936, 0.4468

Protanopia

23.7163, 0.4037, 0.4419

Deuteranopia

23.5833, 0.4285, 0.4189



Tritanopia

23.6629, 0.3264, 0.3127

Trichromacy



Original Color

23.7408, 0.3936, 0.4468

Protanomaly

23.8091, 0.4003, 0.4445

Deuteranomaly

23.5267, 0.4167, 0.4286

Tritanomaly

23.4913, 0.3530, 0.3631

Monochromacy



Original Color

23.7408, 0.3936, 0.4468

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.6115, 0.3436, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7408, 0.3936, 0.4468 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(142, 136, 65)` looks like.

```
.text, #text, p{  
    color:rgb(142, 136, 65)  
}
```

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(142, 136, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 136, 65) }
```

Border

The CSS property to change the border of an element to Yxy 23.7408, 0.3936, 0.4468 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(142, 136, 65) }
```

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

```
.border{ border-color:rgb(142, 136, 65) }
```

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

Here you see how a box with a 4 pixel rgb(142, 136, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 136, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 136, 65);  
box-shadow:4px 4px 4px 4px rgb(142, 136,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7408, 0.3936, 0.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 136, 65) }
```

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

```
.background{ background-color: rgb(142,  
136, 65) }
```

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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