

Converting Colors

$Y_{xy}(23.6346, 0.4216, 0.4628)$

Have a look what the booklet for
Yxy(23.6346, 0.4216, 0.4628)
contains.

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Color

Yxy(23.7237, 0.4212, 0.4631)

Conversions

Conversions Part 1

Format	Color
Hex	96862D
RGB	150, 134, 45
RGB Percent	59%, 53%, 18%
CMY	0.4118, 0.4745, 0.8234
CMYK	0.00, 0.11, 0.70, 0.41
HSL	51°, 54%, 38%
HSV	51°, 70%, 59%
XYZ	21.5772, 23.7237, 5.9271
YIQ	128.6380, 38.1050, -24.2870

Conversions

Conversions Part 2

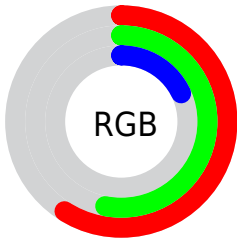
Format	Color
R_{YB}	64, 150, 45
Decimal	9864749
CIE _{Lab}	55.81, -4.51, 48.01
CIE _{LCh}	56, 48.224, 95.367
Yxy	23.7237, 0.4212, 0.4631
Android (android.graphics.Color)	4288054829 (0xFF96862D)
YUV	128.6380, -41.2335, 18.7345
Hunter-Lab	48.7070, -6.1615, 26.8800

Details

The Yxy color **23.7237, 0.4212, 0.4631** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.1012, 0.1879, 0.1388**, and the grayscale version is **21.9583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6506, 0.4018, 0.4374**, and **8.9838, 0.4396, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **23.0038, 0.4327, 0.4734**, and if you desaturate by 10%, it is **24.5006, 0.4075, 0.4489**.

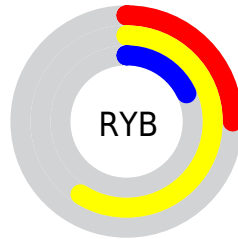
Distribution



Red (59%)

Green (53%)

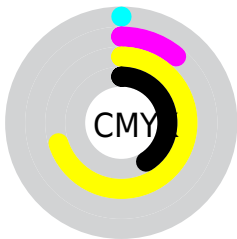
Blue (18%)



Red (25%)

Yellow (59%)

Blue (18%)

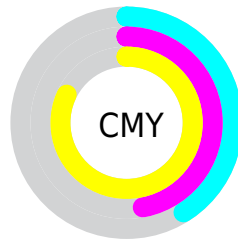


Cyan (0%)

Magenta (11%)

Yellow (70%)

Black (41%)



Cyan (41%)

Magenta (47%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7237, 0.4212, 0.4631 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 23.7237, 0.4212, 0.4631 by changing the saturation by 10% instead.


 23.7237, 0.4212,
0.4631


 23.7237, 0.4212,
0.4631


271.4206, 0.3655,
0.3922


 15.1288, 0.4334,
0.4799


 49.5789, 0.4016,
0.4373


 8.9098, 0.4466,
0.4996


 67.6081, 0.3940,
0.4275

 4.6824, 0.4683,
0.5317

 89.5507, 0.3874,
0.4193

 2.0622, 0.4623,
0.5377

 115.7913, 0.3818,
0.4122

 0.6432, 0.4380,
0.5620

 146.7141, 0.3769,
0.4061

 0.0000, 0.0000,
0.0000

 182.7037, 0.3726,

0.4009

224.1444, 0.3689,
0.3962

■ 23.7237, 0.4212,
0.4631

■ 23.7237, 0.4212,
0.4631

■ 23.0038, 0.4327,
0.4734

■ 24.5006, 0.4075,
0.4489

■ 22.3328, 0.4416,
0.4794

■ 25.3351, 0.3922,
0.4316

■ 21.7002, 0.4485,
0.4821

■ 26.2319, 0.3760,
0.4122

■ 21.6990, 0.4485,
0.4821

■ 27.1941, 0.3595,
0.3914

■ 28.2248, 0.3432,
0.3702

■ 29.3266, 0.3275,
0.3493

■ 30.5021, 0.3127,
0.3290

■ 31.7538, 0.2989,
0.3097

■ 33.0838, 0.2863,
0.2917

Harmonies

Analogous

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



23.7237, 0.4702, 0.4096



23.7237, 0.4212, 0.4631



23.7237, 0.3472, 0.4850

Triad

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



23.7237, 0.4212, 0.4631



23.7237, 0.1739, 0.2750



23.7237, 0.3429, 0.2425

Complementary

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



23.7237, 0.4212, 0.4631



6.1012, 0.1879, 0.1388

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.



23.7237, 0.2608, 0.2118



23.7237, 0.4212, 0.4631



23.7237, 0.1734, 0.2232

Square

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



23.7237, 0.4212, 0.4631



23.7237, 0.2058, 0.3590



23.7237, 0.2025, 0.2040



23.7237, 0.4260, 0.2908

Rectangle

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



23.7237, 0.4212, 0.4631



23.7237, 0.2938, 0.4665



23.7237, 0.2025, 0.2040



23.7237, 0.3139, 0.2300

Sweetspot

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



23.7248, 0.4212, 0.4631



49.5406, 0.3455, 0.3733



8.7168, 0.5022, 0.3040



10.8778, 0.3495, 0.3785



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.7248, 0.4212, 0.4631



39.9130, 0.4381, 0.4774



25.6488, 0.3649, 0.5072



6.5956, 0.3263, 0.3476



18.0332, 0.4482, 0.4823



0.2535, 0.4324, 0.4949

Inverse Universe

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



6.1012, 0.1879, 0.1388



6.9885, 0.1662, 0.0994



5.7874, 0.2168, 0.1286



5.7673, 0.2989, 0.3097



2.3622, 0.1543, 0.0754



0.0561, 0.1697, 0.1308

Previews

White Background



This preview shows how the Yxy color 23.7237, 0.4212, 0.4631 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 23.7237, 0.4212, 0.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

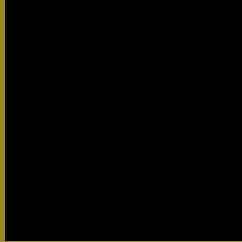
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7237, 0.4212, 0.4631

Background



This preview shows how black text looks on a background with the Yxy color 23.7237, 0.4212, 0.4631.



This preview shows how white text looks on a background with the Yxy color 23.7237, 0.4212, 0.4631.

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

23.7237, 0.4212, 0.4631

Protanopia

23.7237, 0.4212, 0.4631

Deuteranopia

23.5995, 0.4484, 0.4402



Tritanopia

23.5846, 0.3400, 0.3131

Trichromacy



Original Color

23.7237, 0.4212, 0.4631

Protanomaly

23.7237, 0.4212, 0.4631

Deuteranomaly

23.7396, 0.4384, 0.4491

Tritanomaly

23.2677, 0.3749, 0.3721

Monochromacy



Original Color

23.7237, 0.4212, 0.4631

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4328, 0.3566, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7237, 0.4212, 0.4631 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(150, 134, 45)` looks like.

```
.text, #text, p{  
    color:rgb(150, 134, 45)  
}
```

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(150, 134, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 134, 45) }
```

Border

The CSS property to change the border of an element to Yxy 23.7237, 0.4212, 0.4631 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(150, 134, 45) }
```

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

```
.border{ border-color:rgb(150, 134, 45) }
```

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

Here you see how a box with a 4 pixel rgb(150, 134, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 134, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 134, 45);  
box-shadow:4px 4px 4px 4px rgb(150, 134,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7237, 0.4212, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 134, 45) }
```

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

```
.background{ background-color: rgb(150,  
134, 45) }
```

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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