

Converting Colors

$Yxy(23.5925, 0.4454, 0.4726)$

Have a look what the booklet for
Yxy(23.5925, 0.4454, 0.4726)
contains.

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Color

Yxy(23.4548, 0.4460, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	9D8315
RGB	157, 131, 21
RGB Percent	62%, 51%, 8%
CMY	0.3843, 0.4863, 0.9176
CMYK	0.00, 0.17, 0.87, 0.38
HSL	49°, 76%, 35%
HSV	49°, 87%, 62%
XYZ	22.1581, 23.4548, 4.0689
YIQ	126.2340, 50.8060, -28.6980

Conversions

Conversions Part 2

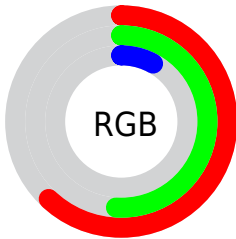
Format	Color
R_{YB}	53, 157, 21
Decimal	10322709
CIE Lab	55.54, -0.62, 56.48
CIE LCh	56, 56.479, 90.633
Yxy	23.4548, 0.4460, 0.4721
Android (android.graphics.Color)	4288512789 (0xFF9D8315)
YUV	126.2340, -51.8804, 26.9818
Hunter-Lab	48.4302, -3.0842, 28.9198

Details

The Yxy color **23.4548, 0.4460, 0.4721** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.6289, 0.1668, 0.1041**, and the grayscale version is **21.1164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2781, 0.4228, 0.4476**, and **8.8013, 0.4546, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **22.6183, 0.4545, 0.4747**, and if you desaturate by 10%, it is **24.3520, 0.4349, 0.4653**.

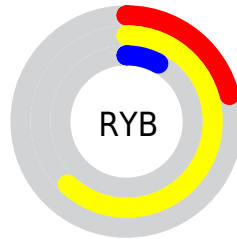
Distribution



Red (62%)

Green (51%)

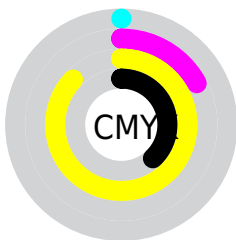
Blue (8%)



Red (21%)

Yellow (62%)

Blue (8%)

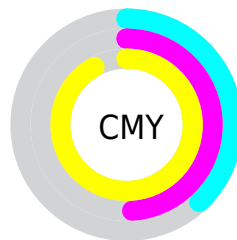


Cyan (0%)

Magenta (17%)

Yellow (87%)

Black (38%)



Cyan (38%)


Magenta (49%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4548, 0.4460, 0.4721 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 23.4548, 0.4460, 0.4721 by changing the saturation by 10% instead.


 23.4548, 0.4460,
0.4721


 23.4548, 0.4460,
0.4721


 270.0524, 0.3792,
0.4001


 14.9297, 0.4592,
0.4866


 49.1390, 0.4234,
0.4476


 8.7701, 0.4758,
0.5049


 67.0669, 0.4142,
0.4377


 4.5915, 0.4847,
0.5153

 88.8979, 0.4063,
0.4291

 2.0096, 0.4839,
0.5161

 115.0163, 0.3994,
0.4217


 0.6131, 0.4807,
0.5193


 145.8066, 0.3933,
0.4152


 0.0000, 0.0000,
0.0000


 181.6531, 0.3880,


0.4095

 222.9402, 0.3834,
0.4045


 23.4548, 0.4460,
0.4721

 23.4548, 0.4460,
0.4721


 22.6183, 0.4545,
0.4747


 24.3520, 0.4349,
0.4653

 22.3433, 0.4572,
0.4752

 25.3139, 0.4213,
0.4541

 26.3467, 0.4058,
0.4393

 27.4549, 0.3890,
0.4218

 28.6423, 0.3718,
0.4024

■ 29.9126, 0.3547,
0.3822

■ 31.2690, 0.3382,
0.3618

■ 32.7146, 0.3225,
0.3418

■ 34.2522, 0.3079,
0.3226

Harmonies

Analogous

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



23.4548, 0.4988, 0.4054



23.4548, 0.4460, 0.4721



23.4548, 0.3632, 0.5126

Triad

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



23.4548, 0.4460, 0.4721



23.4548, 0.1574, 0.2769



23.4548, 0.3307, 0.2231

Complementary

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



23.4548, 0.4460, 0.4721



4.6289, 0.1668, 0.1041

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.



23.4548, 0.2393, 0.1926



23.4548, 0.4460, 0.4721



23.4548, 0.1525, 0.2128

Square

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



23.4548, 0.4460, 0.4721



23.4548, 0.1975, 0.3812



23.4548, 0.1794, 0.1876



23.4548, 0.4317, 0.2742

Rectangle

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



23.4548, 0.4460, 0.4721



23.4548, 0.3021, 0.5025



23.4548, 0.1794, 0.1876



23.4548, 0.2975, 0.2104

Sweetspot

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



23.4559, 0.4460, 0.4721



53.5897, 0.3545, 0.3819



7.9211, 0.5614, 0.3023



11.6288, 0.3599, 0.3884



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.4559, 0.4460, 0.4721



39.7413, 0.4580, 0.4746



27.8997, 0.3707, 0.5325



7.5046, 0.3265, 0.3470



18.1948, 0.4568, 0.4755



0.3762, 0.4395, 0.4892

Inverse Universe

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



4.6289, 0.1668, 0.1041



5.8118, 0.1549, 0.0774



3.9893, 0.1870, 0.0895



6.6305, 0.2988, 0.3104



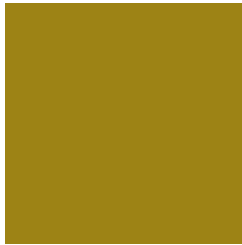
2.7754, 0.1558, 0.0810



0.0989, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 23.4548, 0.4460, 0.4721 looks on a white background.

Color Contrast Check

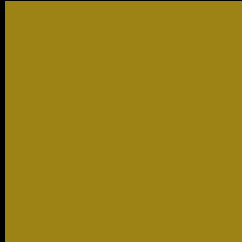
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4548, 0.4460, 0.4721 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 23.4548, 0.4460, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 23.4548, 0.4460, 0.4721.



This preview shows how white text looks on a background with the Yxy color 23.4548, 0.4460, 0.4721.

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

23.4548, 0.4460, 0.4721

Protanopia

23.5922, 0.4333, 0.4812

Deuteranopia

23.3125, 0.4644, 0.4553



Tritanopia

23.4503, 0.3543, 0.3151

Trichromacy



Original Color

23.4548, 0.4460, 0.4721

Protanomaly

23.6053, 0.4382, 0.4774

Deuteranomaly

23.3927, 0.4574, 0.4616

Tritanomaly

22.9996, 0.3987, 0.3834

Monochromacy



Original Color

23.4548, 0.4460, 0.4721

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4613, 0.3694, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4548, 0.4460, 0.4721 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(157, 131, 21)` looks like.

```
.text, #text, p{  
    color:rgb(157, 131, 21)  
}
```

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(157, 131, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 131, 21) }
```

Border

The CSS property to change the border of an element to Yxy 23.4548, 0.4460, 0.4721 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(157, 131, 21) }
```

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

```
.border{ border-color:rgb(157, 131, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 131, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 131, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 131, 21);  
box-shadow:4px 4px 4px 4px rgb(157, 131,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4548, 0.4460, 0.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 131, 21) }
```

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

```
.background{ background-color: rgb(157,  
131, 21) }
```

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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