

Converting Colors

$Y_{xy}(23.1009, 0.4377, 0.4907)$

Have a look what the booklet for
Yxy(23.1009, 0.4377, 0.4907)
contains.

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Color

Yxy(23.0710, 0.4379, 0.4905)

Conversions

Conversions Part 1

Format	Color
Hex	948500
RGB	148, 133, 0
RGB Percent	58%, 52%, 0%
CMY	0.4197, 0.4784, 0.9999
CMYK	0.00, 0.10, 1.00, 0.42
HSL	54°, 100%, 29%
HSV	54°, 100%, 58%
XYZ	20.5969, 23.0710, 3.3678
YIQ	122.3230, 51.6330, -38.1830

Conversions

Conversions Part 2

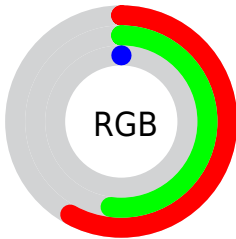
Format	Color
R_YB	17, 148, 0
Decimal	9733376
CIE Lab	55.15, -6.34, 59.88
CIE LCh	55, 60.218, 96.040
Yxy	23.0710, 0.4379, 0.4905
Android (android.graphics.Color)	4287923456 (0xFF948500)
YUV	122.3230, -60.3052, 22.5187
Hunter-Lab	48.0323, -7.5132, 29.4655

Details

The Yxy color **23.0710, 0.4379, 0.4905** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4784, 0.1524, 0.0685**, and the grayscale version is **19.7624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6570, 0.4186, 0.4623**, and **8.6678, 0.4361, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **23.0716, 0.4379, 0.4905**, and if you desaturate by 10%, it is **23.5187, 0.4326, 0.4870**.

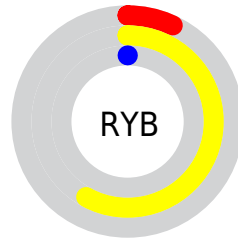
Distribution



Red (58%)

Green (52%)

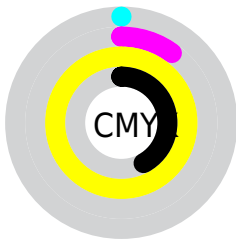
Blue (0%)



Red (7%)

Yellow (58%)

Blue (0%)

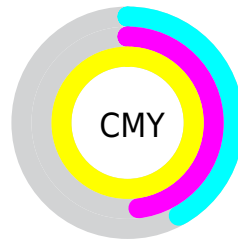


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0710, 0.4379, 0.4905 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 23.0710, 0.4379, 0.4905 by changing the saturation by 10% instead.


 23.0710, 0.4379,
0.4905


 23.0710, 0.4379,
0.4905


268.0895, 0.3774,
0.4081


 14.6459, 0.4482,
0.5073


 48.5099, 0.4184,
0.4622


 8.5713, 0.4640,
0.5329


 66.2925, 0.4101,
0.4509


 4.4626, 0.4601,
0.5399

 87.9631, 0.4028,
0.4411

 1.9356, 0.4512,
0.5488

 113.9060, 0.3964,
0.4326


 0.5696, 0.4044,
0.5956


 144.5058, 0.3908,
0.4253


 0.0000, 0.0000,
0.0000


 180.1466, 0.3858,


0.4188


 221.2131, 0.3813,
0.4131


 23.0710, 0.4379,
0.4905


 23.0710, 0.4379,
0.4905


 23.0716, 0.4379,
0.4905

 23.5187, 0.4326,
0.4870

 23.9951, 0.4253,
0.4804

 24.5127, 0.4154,
0.4695

 25.0761, 0.4032,
0.4547

 25.6889, 0.3893,
0.4368

■ 26.3546, 0.3741,
0.4165

■ 27.0762, 0.3585,
0.3948

■ 27.8566, 0.3427,
0.3726

■ 28.6982, 0.3274,
0.3504

Harmonies

Analogous

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



23.0710, 0.5029, 0.4203



23.0710, 0.4379, 0.4905



23.0710, 0.3468, 0.5273

Triad

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



23.0710, 0.4379, 0.4905



23.0710, 0.1452, 0.2566



23.0710, 0.3514, 0.2253

Complementary

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



23.0710, 0.4379, 0.4905



2.4784, 0.1524, 0.0685

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.



23.0710, 0.2495, 0.1891



23.0710, 0.4379, 0.4905



23.0710, 0.1467, 0.1980

Square

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



23.0710, 0.4379, 0.4905



23.0710, 0.1793, 0.3621



23.0710, 0.1805, 0.1786



23.0710, 0.4570, 0.2816

Rectangle

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



23.0710, 0.4379, 0.4905



23.0710, 0.2825, 0.5066



23.0710, 0.1805, 0.1786



23.0710, 0.3148, 0.2106

Sweetspot

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



23.0721, 0.4379, 0.4905



47.7124, 0.3594, 0.3962



6.3352, 0.6230, 0.3206



10.7781, 0.3655, 0.4046



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.



23.0721, 0.4379, 0.4905



40.5800, 0.4383, 0.4902



23.4090, 0.3548, 0.5565



6.6455, 0.3262, 0.3487



19.7369, 0.4378, 0.4906



0.2649, 0.4277, 0.4986

Inverse Universe

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



2.4784, 0.1524, 0.0685



4.2499, 0.1519, 0.0668



2.9997, 0.1835, 0.0785



5.7218, 0.2989, 0.3085



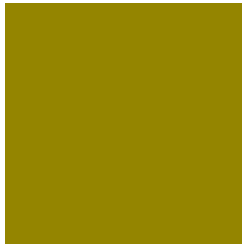
2.1383, 0.1525, 0.0691



0.0447, 0.1637, 0.1092

Previews

White Background



This preview shows how the Yxy color 23.0710, 0.4379, 0.4905 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

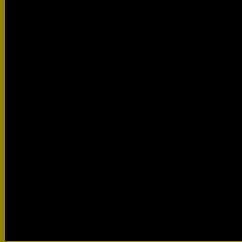
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0710, 0.4379, 0.4905

Background



This preview shows how black text looks on a background with the Yxy color 23.0710, 0.4379, 0.4905.



This preview shows how white text looks on a background with the Yxy color 23.0710, 0.4379, 0.4905.

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

23.0710, 0.4379, 0.4905

Protanopia

23.1646, 0.4392, 0.4895

Deuteranopia

22.9232, 0.4673, 0.4583



Tritanopia

23.1767, 0.3414, 0.3146

Trichromacy



Original Color

23.0710, 0.4379, 0.4905

Protanomaly

23.1646, 0.4392, 0.4895

Deuteranomaly

22.9361, 0.4567, 0.4702

Tritanomaly

22.6069, 0.3941, 0.3983

Monochromacy



Original Color

23.0710, 0.4379, 0.4905

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.2971, 0.3739, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0710, 0.4379, 0.4905 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(148, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 133, 0)  
}
```

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(148, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.0710, 0.4379, 0.4905 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(148, 133, 0) }
```

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

```
.border{ border-color:rgb(148, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 133,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0710, 0.4379, 0.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 133, 0) }
```

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

```
.background{ background-color: rgb(148,  
133, 0) }
```

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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