

Converting Colors

$Y_{xy}(22.8279, 0.4286, 0.4838)$

Have a look what the booklet for
Yxy(22.8279, 0.4286, 0.4838)
contains.

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Color

Yxy(22.8567, 0.4281, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	918517
RGB	145, 133, 23
RGB Percent	57%, 52%, 9%
CMY	0.4313, 0.4784, 0.9098
CMYK	0.00, 0.08, 0.84, 0.43
HSL	54°, 73%, 33%
HSV	54°, 84%, 57%
XYZ	20.2210, 22.8567, 4.1566
YIQ	124.0480, 42.4620, -31.6660

Conversions

Conversions Part 2

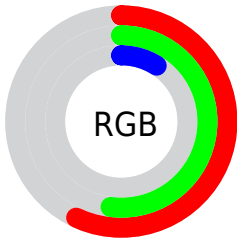
Format	Color
R_YB	36, 145, 23
Decimal	9536791
CIE Lab	54.92, -7.22, 54.94
CIE LCh	55, 55.413, 97.489
Yxy	22.8567, 0.4281, 0.4839
Android (android.graphics.Color)	4287726871 (0xFF918517)
YUV	124.0480, -49.8167, 18.3749
Hunter-Lab	47.8087, -8.1673, 28.3112

Details

The Yxy color **22.8567, 0.4281, 0.4839** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.4301, 0.1656, 0.0936**, and the grayscale version is **20.3328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2389, 0.4088, 0.4551**, and **8.5648, 0.4324, 0.4948** is the 20% darker color. If you saturate the color by 10%, you get **22.4262, 0.4343, 0.4889**, and if you desaturate by 10%, it is **23.3263, 0.4193, 0.4747**.

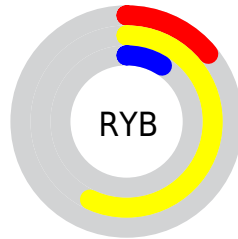
Distribution



Red (57%)

Green (52%)

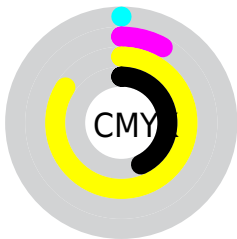
Blue (9%)



Red (14%)

Yellow (57%)

Blue (9%)

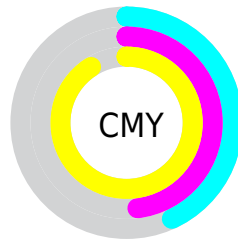


Cyan (0%)

Magenta (8%)

Yellow (84%)

Black (43%)



Cyan (43%)


Magenta (48%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8567, 0.4281, 0.4839 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 22.8567, 0.4281, 0.4839 by changing the saturation by 10% instead.


 22.8567, 0.4281,
0.4839


 22.8567, 0.4281,
0.4839


266.9881, 0.3710,
0.4028


 14.4877, 0.4388,
0.5019


 48.1579, 0.4091,
0.4551


 8.4607, 0.4517,
0.5254


 65.8590, 0.4012,
0.4439


 4.3911, 0.4561,
0.5439

 87.4395, 0.3944,
0.4344

 1.8947, 0.4457,
0.5543

 113.2839, 0.3885,
0.4262

 0.5452, 0.3854,
0.6146

 143.7766, 0.3832,
0.4191

 0.0000, 0.0000,
0.0000

 179.3019, 0.3787,

0.4129

220.2443, 0.3746,
0.4076

22.8567, 0.4281,
0.4839

22.8567, 0.4281,
0.4839

22.4262, 0.4343,
0.4889

23.3263, 0.4193,
0.4747

22.1823, 0.4373,
0.4909

23.8365, 0.4081,
0.4614

24.3923, 0.3949,
0.4447

24.9968, 0.3803,
0.4252

25.6533, 0.3648,
0.4040

■ 26.3643, 0.3491,
0.3819

■ 27.1325, 0.3336,
0.3596

■ 27.9602, 0.3187,
0.3378

■ 28.8496, 0.3045,
0.3169

Harmonies

Analogous

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



22.8567, 0.4892, 0.4208



22.8567, 0.4281, 0.4839



22.8567, 0.3423, 0.5114

Triad

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



22.8567, 0.4281, 0.4839



22.8567, 0.1546, 0.2592



22.8567, 0.3540, 0.2341

Complementary

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



22.8567, 0.4281, 0.4839



3.4301, 0.1656, 0.0936

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.



22.8567, 0.2583, 0.1985



22.8567, 0.4281, 0.4839



22.8567, 0.1571, 0.2051

Square

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



22.8567, 0.4281, 0.4839



22.8567, 0.1862, 0.3549



22.8567, 0.1911, 0.1875



22.8567, 0.4500, 0.2884

Rectangle

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



22.8567, 0.4281, 0.4839



22.8567, 0.2820, 0.4880



22.8567, 0.1911, 0.1875



22.8567, 0.3201, 0.2198

Sweetspot

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



22.8578, 0.4281, 0.4839



47.0231, 0.3513, 0.3850



6.7565, 0.5768, 0.3170



10.3709, 0.3562, 0.3919



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.8578, 0.4281, 0.4839



39.5749, 0.4377, 0.4906



22.8149, 0.3571, 0.5386



6.1959, 0.3261, 0.3487



19.0438, 0.4372, 0.4910



0.1991, 0.4275, 0.4988

Inverse Universe

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



3.4301, 0.1656, 0.0936



4.1128, 0.1518, 0.0666



4.0281, 0.2058, 0.1026



5.3352, 0.2990, 0.3086



2.0493, 0.1525, 0.0690



0.0331, 0.1633, 0.1080

Previews

White Background



This preview shows how the Yxy color 22.8567, 0.4281, 0.4839 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 22.8567, 0.4281, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

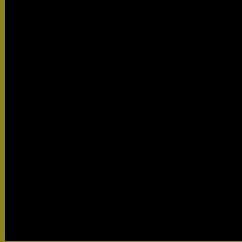
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8567, 0.4281, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 22.8567, 0.4281, 0.4839.



This preview shows how white text looks on a background with the Yxy color 22.8567, 0.4281, 0.4839.

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

22.8567, 0.4281, 0.4839

Protanopia

22.8603, 0.4330, 0.4801

Deuteranopia

22.8581, 0.4616, 0.4534



Tritanopia

22.8811, 0.3377, 0.3144

Trichromacy



Original Color

22.8567, 0.4281, 0.4839

Protanomaly

22.7674, 0.4318, 0.4810

Deuteranomaly

22.7820, 0.4491, 0.4649

Tritanomaly

22.4531, 0.3810, 0.3863

Monochromacy



Original Color

22.8567, 0.4281, 0.4839

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7724, 0.3646, 0.4023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8567, 0.4281, 0.4839 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(145, 133, 23)` looks like.

```
.text, #text, p{  
    color:rgb(145, 133, 23)  
}
```

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(145, 133, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 133, 23) }
```

Border

The CSS property to change the border of an element to Yxy 22.8567, 0.4281, 0.4839 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(145, 133, 23) }
```

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

```
.border{ border-color:rgb(145, 133, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 133, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 133, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 133, 23);  
box-shadow:4px 4px 4px 4px rgb(145, 133,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8567, 0.4281, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 133, 23) }
```

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

```
.background{ background-color: rgb(145,  
133, 23) }
```

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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