

Converting Colors

$Y_{xy}(22.8055, 0.4887, 0.4426)$

Have a look what the booklet for
Yxy(22.8055, 0.4887, 0.4426)
contains.

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Color

Yxy(22.6931, 0.4887, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	B2770F
RGB	178, 119, 15
RGB Percent	70%, 47%, 6%
CMY	0.3019, 0.5333, 0.9413
CMYK	0.00, 0.33, 0.92, 0.30
HSL	38°, 84%, 38%
HSV	38°, 92%, 70%
XYZ	25.0454, 22.6931, 3.5106
YIQ	124.7850, 68.5480, -19.8360

Conversions

Conversions Part 2

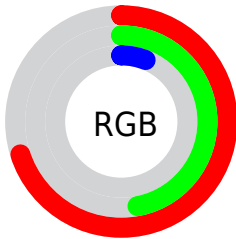
Format	Color
R_{YB}	107, 178, 15
Decimal	11695887
CIE _{Lab}	54.75, 15.58, 58.34
CIE _{LCh}	55, 60.379, 75.051
Yxy	22.6931, 0.4887, 0.4428
Android (android.graphics.Color)	4289885967 (0xFFB2770F)
YUV	124.7850, -54.1240, 46.6696
Hunter-Lab	47.6373, 10.4817, 28.9768

Details

The Yxy color **22.6931, 0.4887, 0.4428** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2112, 0.1722, 0.1324**, and the grayscale version is **20.5998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7840, 0.4570, 0.4280**, and **8.4995, 0.5098, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **21.4071, 0.5008, 0.4406**, and if you desaturate by 10%, it is **24.3544, 0.4721, 0.4418**.

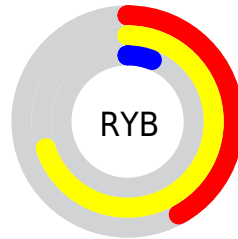
Distribution



Red (70%)

Green (47%)

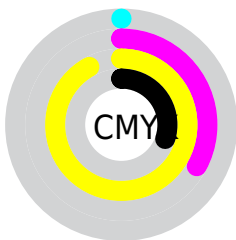
Blue (6%)



Red (42%)

Yellow (70%)

Blue (6%)

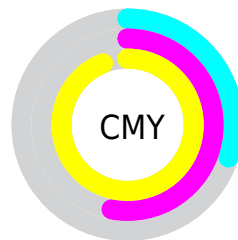


Cyan (0%)

Magenta (33%)

Yellow (92%)

Black (30%)



Cyan (30%)


Magenta (53%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6931, 0.4887, 0.4428 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 22.6931, 0.4887, 0.4428 by changing the saturation by 10% instead.


 22.6931, 0.4887,
0.4428


 22.6931, 0.4887,
0.4428


266.1448, 0.3981,
0.3919


 14.3671, 0.5080,
0.4494


 47.8889, 0.4572,
0.4279

 8.3764, 0.5355,
0.4584


 65.5275, 0.4447,
0.4210

 4.3367, 0.5508,
0.4492

 87.0390, 0.4340,
0.4147

 1.8637, 0.5702,
0.4298

 112.8078, 0.4248,
0.4091

 0.5264, 0.6260,
0.3740


 143.2185, 0.4168,
0.4041


 0.0000, 0.0000,
0.0000

 178.6552, 0.4098,

0.3995


 219.5025, 0.4036,
0.3955


 22.6931, 0.4887,
0.4428


 22.6931, 0.4887,
0.4428


 21.4071, 0.5008,
0.4406

 24.3544, 0.4721,
0.4418

 26.1731, 0.4527,
0.4358

 28.1597, 0.4315,
0.4256

 30.3222, 0.4097,
0.4122

 32.6679, 0.3882,
0.3967

■ 35.2033, 0.3676,
0.3803

■ 37.9347, 0.3484,
0.3635

■ 40.8678, 0.3309,
0.3471

■ 44.0081, 0.3151,
0.3314

Harmonies

Analogous

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



22.6931, 0.5201, 0.3695



22.6931, 0.4887, 0.4428



22.6931, 0.4126, 0.5086

Triad

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



22.6931, 0.4887, 0.4428



22.6931, 0.1639, 0.3260



22.6931, 0.2770, 0.1966

Complementary

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



22.6931, 0.4887, 0.4428



8.2112, 0.1722, 0.1324

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.



22.6931, 0.1966, 0.1779



22.6931, 0.4887, 0.4428



22.6931, 0.1411, 0.2333

Square

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



22.6931, 0.4887, 0.4428



22.6931, 0.2259, 0.4493



22.6931, 0.1524, 0.1877



22.6931, 0.3855, 0.2399

Rectangle

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



22.6931, 0.4887, 0.4428



22.6931, 0.3500, 0.5289



22.6931, 0.1524, 0.1877



22.6931, 0.2461, 0.1875

Sweetspot

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



22.6943, 0.4887, 0.4428



65.8276, 0.3595, 0.3734



10.3119, 0.5255, 0.2738



14.2215, 0.3661, 0.3790



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.6943, 0.4887, 0.4428



38.3625, 0.5025, 0.4392



38.9762, 0.3962, 0.5186



9.3789, 0.3272, 0.3435



15.4370, 0.4996, 0.4415



0.5917, 0.4720, 0.4634

Inverse Universe

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



8.2112, 0.1722, 0.1324



12.1683, 0.1647, 0.1130



3.9434, 0.1620, 0.0713



8.7170, 0.2985, 0.3141



5.0684, 0.1661, 0.1180



0.2727, 0.1825, 0.1771

Previews

White Background



This preview shows how the Yxy color 22.6931, 0.4887, 0.4428 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 22.6931, 0.4887, 0.4428 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 22.6931, 0.4887, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 22.6931, 0.4887, 0.4428.



This preview shows how white text looks on a background with the Yxy color 22.6931, 0.4887, 0.4428.

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

22.6931, 0.4887, 0.4428

Protanopia

22.8454, 0.4345, 0.4823

Deuteranopia

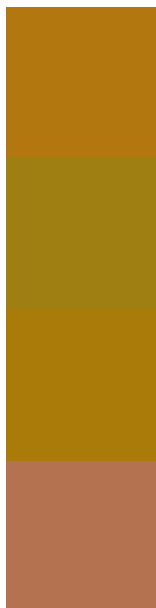
22.7852, 0.4693, 0.4631



Tritanopia

22.7681, 0.3983, 0.3178

Trichromacy



Original Color

22.6931, 0.4887, 0.4428

Protanomaly

22.5933, 0.4548, 0.4672

Deuteranomaly

22.7317, 0.4757, 0.4561

Tritanomaly

22.4525, 0.4446, 0.3759

Monochromacy



Original Color

22.6931, 0.4887, 0.4428

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7511, 0.3852, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6931, 0.4887, 0.4428 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(178, 119, 15)` looks like.

```
.text, #text, p{  
    color:rgb(178, 119, 15)  
}
```

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(178, 119, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 119, 15) }
```

Border

The CSS property to change the border of an element to Yxy 22.6931, 0.4887, 0.4428 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(178, 119, 15) }
```

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

```
.border{ border-color:rgb(178, 119, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 119, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 119, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 119, 15);  
box-shadow:4px 4px 4px 4px rgb(178, 119,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6931, 0.4887, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 119, 15) }
```

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

```
.background{ background-color: rgb(178,  
119, 15) }
```

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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