

Converting Colors

$Y_{xy}(22.2688, 0.4901, 0.4452)$

Have a look what the booklet for
Yxy(22.2688, 0.4901, 0.4452)
contains.

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Color

Yxy(22.2045, 0.4899, 0.4453)

Conversions

Conversions Part 1

Format	Color
Hex	B07608
RGB	176, 118, 8
RGB Percent	69%, 46%, 3%
CMY	0.3098, 0.5373, 0.9682
CMYK	0.00, 0.33, 0.95, 0.31
HSL	39°, 91%, 36%
HSV	39°, 95%, 69%
XYZ	24.4284, 22.2045, 3.2312
YIQ	122.8020, 69.8780, -21.9140

Conversions

Conversions Part 2

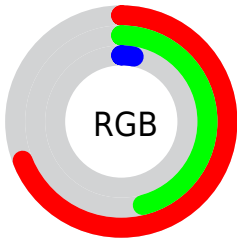
Format	Color
R_{YB}	97, 176, 8
Decimal	11564552
CIE _{Lab}	54.24, 15.13, 59.19
CIE _{LCh}	54, 61.091, 75.665
Yxy	22.2045, 0.4899, 0.4453
Android (android.graphics.Color)	4289754632 (0xFFB07608)
YUV	122.8020, -56.5974, 46.6546
Hunter-Lab	47.1217, 10.0737, 28.9196

Details

The Yxy color **22.2045, 0.4899, 0.4453** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0978, 0.1679, 0.1205**, and the grayscale version is **19.9164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0245, 0.4580, 0.4301**, and **8.2319, 0.5092, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **21.5372, 0.4962, 0.4442**, and if you desaturate by 10%, it is **23.7399, 0.4752, 0.4458**.

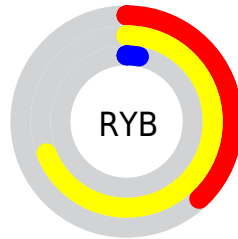
Distribution



Red (69%)

Green (46%)

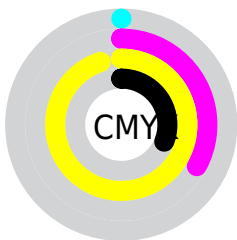
Blue (3%)



Red (38%)

Yellow (69%)

Blue (3%)

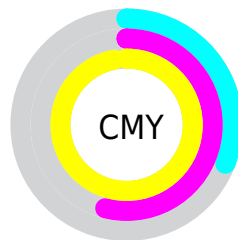


Cyan (0%)

Magenta (33%)

Yellow (95%)

Black (31%)



Cyan (31%)


Magenta (54%)


Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2045, 0.4899, 0.4453 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 22.2045, 0.4899, 0.4453 by changing the saturation by 10% instead.


 22.2045, 0.4899,
0.4453


 22.2045, 0.4899,
0.4453


263.6124, 0.3989,
0.3933


 14.0072, 0.5090,
0.4519


 47.0838, 0.4584,
0.4302

 8.1257, 0.5379,
0.4621


 64.5345, 0.4459,
0.4231

 4.1755, 0.5498,
0.4502

 85.8386, 0.4351,
0.4167


 1.7722, 0.5692,
0.4308

 111.3804, 0.4258,
0.4110


 0.4698, 0.6346,
0.3654

 141.5443, 0.4177,
0.4058


 0.0000, 0.0000,
0.0000

 176.7146, 0.4107,


0.4012


 217.2759, 0.4044,
0.3970


 22.2045, 0.4899,
0.4453


 22.2045, 0.4899,
0.4453

 21.5372, 0.4962,
0.4442

 23.7399, 0.4752,
0.4458

 25.4161, 0.4575,
0.4412

 27.2439, 0.4376,
0.4322

 29.2311, 0.4165,
0.4196

 31.3848, 0.3953,
0.4045

■ 33.7115, 0.3747,
0.3879

■ 36.2171, 0.3553,
0.3709

■ 38.9070, 0.3373,
0.3539

■ 41.7867, 0.3209,
0.3375

Harmonies

Analogous

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



22.2045, 0.5237, 0.3709



22.2045, 0.4899, 0.4453



22.2045, 0.4117, 0.5124

Triad

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



22.2045, 0.4899, 0.4453



22.2045, 0.1607, 0.3232



22.2045, 0.2783, 0.1954

Complementary

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



22.2045, 0.4899, 0.4453



7.0978, 0.1679, 0.1205

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.



22.2045, 0.1960, 0.1759



22.2045, 0.4899, 0.4453



22.2045, 0.1386, 0.2301

Square

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



22.2045, 0.4899, 0.4453



22.2045, 0.2225, 0.4495



22.2045, 0.1507, 0.1849



22.2045, 0.3891, 0.2396

Rectangle

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



22.2045, 0.4899, 0.4453



22.2045, 0.3479, 0.5328



22.2045, 0.1507, 0.1849



22.2045, 0.2467, 0.1859

Sweetspot

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



22.2056, 0.4899, 0.4453



63.7691, 0.3631, 0.3779



9.8108, 0.5430, 0.2803



13.4132, 0.3713, 0.3850



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.2056, 0.4899, 0.4453



38.6196, 0.4979, 0.4429



37.6334, 0.3934, 0.5231



9.4024, 0.3271, 0.3439



15.9133, 0.4952, 0.4450



0.6044, 0.4692, 0.4657

Inverse Universe

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



7.0978, 0.1679, 0.1205



11.3193, 0.1635, 0.1087



3.6393, 0.1599, 0.0680



8.6944, 0.2985, 0.3137



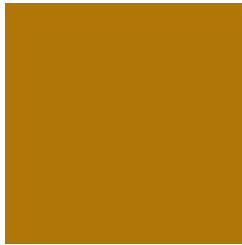
4.8335, 0.1649, 0.1136



0.2636, 0.1814, 0.1729

Previews

White Background



This preview shows how the Yxy color 22.2045, 0.4899, 0.4453 looks on a white background.

Color Contrast Check

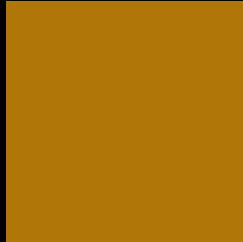
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2045, 0.4899, 0.4453 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 22.2045, 0.4899, 0.4453

Background



This preview shows how black text looks on a background with the Yxy color 22.2045, 0.4899, 0.4453.



This preview shows how white text looks on a background with the Yxy color 22.2045, 0.4899, 0.4453.

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

22.2045, 0.4899, 0.4453

Protanopia

22.4673, 0.4361, 0.4844

Deuteranopia

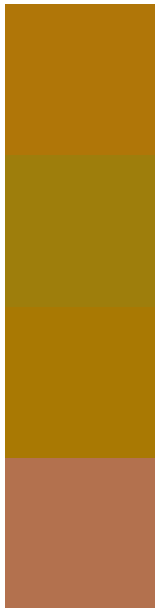
22.1653, 0.4723, 0.4632



Tritanopia

22.2836, 0.3977, 0.3176

Trichromacy



Original Color

22.2045, 0.4899, 0.4453

Protanomaly

22.2174, 0.4568, 0.4693

Deuteranomaly

22.1163, 0.4790, 0.4563

Tritanomaly

21.9440, 0.4469, 0.3790

Monochromacy



Original Color

22.2045, 0.4899, 0.4453

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.0196, 0.3886, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2045, 0.4899, 0.4453 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(176, 118, 8)` looks like.

```
.text, #text, p{  
    color:rgb(176, 118, 8)  
}
```

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(176, 118, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 118, 8) }
```

Border

The CSS property to change the border of an element to Yxy 22.2045, 0.4899, 0.4453 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(176, 118, 8) }
```

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

```
.border{ border-color:rgb(176, 118, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 118, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 118, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 118, 8);  
box-shadow:4px 4px 4px 4px rgb(176, 118,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2045, 0.4899, 0.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 118, 8) }
```

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

```
.background{ background-color: rgb(176,  
118, 8) }
```

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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