

Converting Colors

$Y_{xy}(22.3259, 0.4715, 0.4404)$

Have a look what the booklet for
Yxy(22.3259, 0.4715, 0.4404)
contains.

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Color

Yxy(22.2007, 0.4714, 0.4400)

Conversions

Conversions Part 1

Format	Color
Hex	AB7821
RGB	171, 120, 33
RGB Percent	67%, 47%, 13%
CMY	0.3294, 0.5294, 0.8706
CMYK	0.00, 0.30, 0.81, 0.33
HSL	38°, 68%, 40%
HSV	38°, 81%, 67%
XYZ	23.7850, 22.2007, 4.4704
YIQ	125.3310, 58.3230, -16.2450

Conversions

Conversions Part 2

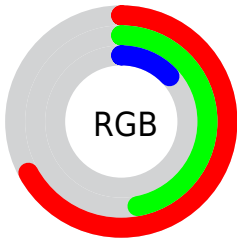
Format	Color
R_{YB}	114, 171, 33
Decimal	11237409
CIE _{Lab}	54.24, 12.33, 52.11
CIE _{LCh}	54, 53.544, 76.689
Yxy	22.2007, 0.4714, 0.4400
Android (android.graphics.Color)	4289427489 (0xFFAB7821)
YUV	125.3310, -45.5192, 40.0517
Hunter-Lab	47.1176, 7.6512, 27.3570

Details

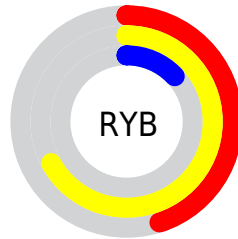
The Yxy color **22.2007, 0.4714, 0.4400** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.6030, 0.1841, 0.1586**, and the grayscale version is **20.7683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9839, 0.4413, 0.4229**, and **8.2121, 0.4986, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **20.6590, 0.4887, 0.4415**, and if you desaturate by 10%, it is **23.8936, 0.4515, 0.4337**.

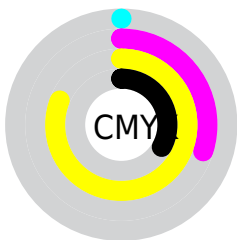
Distribution



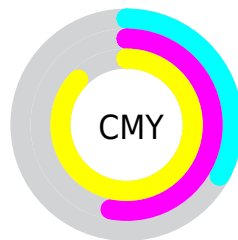
- Red (67%)
- Green (47%)
- Blue (13%)



- Red (45%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (30%)
- Yellow (81%)
- Black (33%)




- Cyan (33%)
- Magenta (53%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2007, 0.4714, 0.4400 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 22.2007, 0.4714, 0.4400 by changing the saturation by 10% instead.


 22.2007, 0.4714,
0.4400


 22.2007, 0.4714,
0.4400

263.5926, 0.3879,
0.3870


 14.0044, 0.4905,
0.4490


 47.0775, 0.4415,
0.4230

 8.1238, 0.5143,
0.4583


 64.5268, 0.4300,
0.4158


 4.1742, 0.5387,
0.4613

 85.8293, 0.4202,
0.4094

 1.7715, 0.5549,
0.4451

 111.3693, 0.4118,
0.4037

 0.4693, 0.6142,
0.3858

 141.5312, 0.4046,
0.3988

 0.0000, 0.0000,
0.0000

 176.6995, 0.3983,

0.3944

217.2585, 0.3928,
0.3905

22.2007, 0.4714,
0.4400

22.2007, 0.4714,
0.4400

20.6590, 0.4887,
0.4415

23.8936, 0.4515,
0.4337

19.3429, 0.5026,
0.4392

25.7427, 0.4299,
0.4232

27.7565, 0.4079,
0.4097

29.9415, 0.3863,
0.3944

32.3039, 0.3658,
0.3781

■ 34.8492, 0.3468,
0.3616

■ 37.5828, 0.3294,
0.3455

■ 40.5098, 0.3137,
0.3300

■ 43.6350, 0.2998,
0.3156

Harmonies

Analogous

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



22.2007, 0.5001, 0.3732



22.2007, 0.4714, 0.4400



22.2007, 0.4021, 0.4947

Triad

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



22.2007, 0.4714, 0.4400



22.2007, 0.1755, 0.3223



22.2007, 0.2861, 0.2093

Complementary

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



22.2007, 0.4714, 0.4400



9.6030, 0.1841, 0.1586

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.



22.2007, 0.2103, 0.1907



22.2007, 0.4714, 0.4400



22.2007, 0.1550, 0.2404

Square

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



22.2007, 0.4714, 0.4400



22.2007, 0.2316, 0.4295



22.2007, 0.1670, 0.1990



22.2007, 0.3839, 0.2508

Rectangle

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



22.2007, 0.4714, 0.4400



22.2007, 0.3447, 0.5069



22.2007, 0.1670, 0.1990



22.2007, 0.2574, 0.2004

Sweetspot

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



22.2018, 0.4714, 0.4400



60.6794, 0.3537, 0.3677



10.4157, 0.4848, 0.2656



13.1804, 0.3603, 0.3734



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.2018, 0.4714, 0.4400



34.9660, 0.5002, 0.4390



36.1925, 0.3965, 0.5065



8.8251, 0.3271, 0.3433



14.6856, 0.5015, 0.4400



0.5084, 0.4709, 0.4643

Inverse Universe

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



9.6030, 0.1841, 0.1586



11.9918, 0.1675, 0.1211



4.6835, 0.1736, 0.0887



8.2238, 0.2986, 0.3143



5.0055, 0.1668, 0.1204



0.2458, 0.1845, 0.1842

Previews

White Background



This preview shows how the Yxy color 22.2007, 0.4714, 0.4400 looks on a white background.

Color Contrast Check

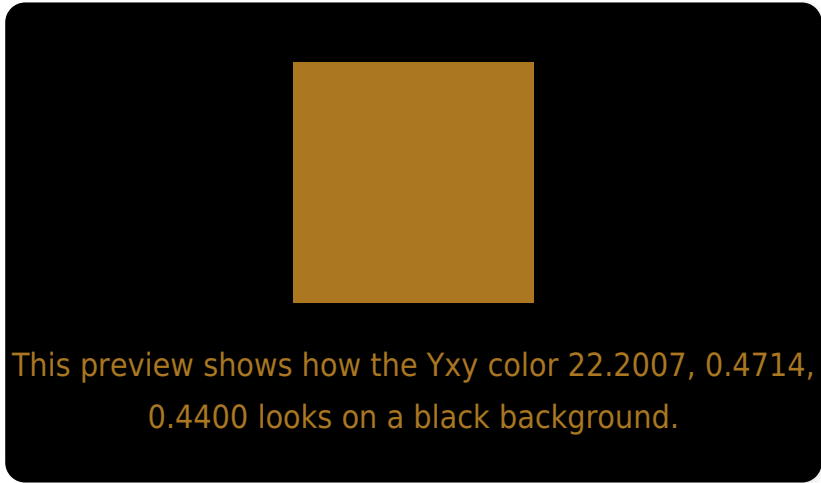
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2007, 0.4714, 0.4400

Background



This preview shows how black text looks on a background with the Yxy color 22.2007, 0.4714, 0.4400.



This preview shows how white text looks on a background with the Yxy color 22.2007, 0.4714, 0.4400.

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

22.2007, 0.4714, 0.4400

Protanopia

22.2036, 0.4266, 0.4699

Deuteranopia

22.1574, 0.4604, 0.4506



Tritanopia

22.1745, 0.3876, 0.3173

Trichromacy



Original Color

22.2007, 0.4714, 0.4400

Protanomaly

22.0116, 0.4433, 0.4585

Deuteranomaly

22.2388, 0.4647, 0.4463

Tritanomaly

21.9647, 0.4264, 0.3695

Monochromacy



Original Color

22.2007, 0.4714, 0.4400

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6894, 0.3741, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2007, 0.4714, 0.4400 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(171, 120, 33)` looks like.

```
.text, #text, p{  
    color:rgb(171, 120, 33)  
}
```

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(171, 120, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 120, 33) }
```

Border

The CSS property to change the border of an element to Yxy 22.2007, 0.4714, 0.4400 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(171, 120, 33) }
```

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

```
.border{ border-color:rgb(171, 120, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 120, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 120, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 120, 33);  
box-shadow:4px 4px 4px 4px rgb(171, 120,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2007, 0.4714, 0.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 120, 33) }
```

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

```
.background{ background-color: rgb(171,  
120, 33) }
```

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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