

Converting Colors

$Y_{xy}(22.0989, 0.4666, 0.4585)$

Have a look what the booklet for
Yxy(22.0989, 0.4666, 0.4585)
contains.

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Color

Yxy(22.0989, 0.4666, 0.4585)

Conversions

Conversions Part 1

Format	Color
Hex	A47B11
RGB	164, 123, 17
RGB Percent	64%, 48%, 7%
CMY	0.3570, 0.5176, 0.9334
CMYK	0.00, 0.25, 0.90, 0.36
HSL	43°, 81%, 35%
HSV	43°, 90%, 64%
XYZ	22.4893, 22.0989, 3.6100
YIQ	123.1750, 58.4620, -24.2740

Conversions

Conversions Part 2

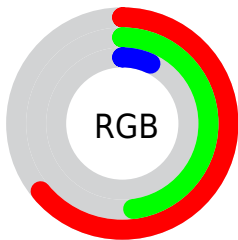
Format	Color
R_{YB}	74, 164, 17
Decimal	10779409
CIE _{Lab}	54.13, 6.96, 56.67
CIE _{LCh}	54, 57.092, 82.995
Yxy	22.0989, 0.4666, 0.4585
Android (android.graphics.Color)	4288969489 (0xFFA47B11)
YUV	123.1750, -52.3443, 35.8035
Hunter-Lab	47.0095, 3.1277, 28.3535

Details

The Yxy color **22.0989, 0.4666, 0.4585** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8190, 0.1686, 0.1163**, and the grayscale version is **20.0299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8423, 0.4397, 0.4383**, and **8.2203, 0.4820, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **20.9534, 0.4778, 0.4585**, and if you desaturate by 10%, it is **23.3319, 0.4530, 0.4546**.

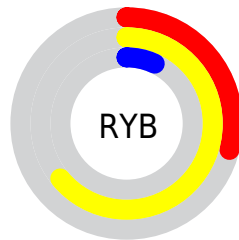
Distribution



Red (64%)

Green (48%)

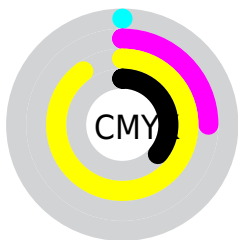
Blue (7%)



Red (29%)

Yellow (64%)

Blue (7%)

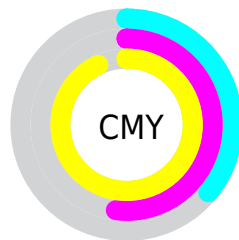


Cyan (0%)

Magenta (25%)

Yellow (90%)

Black (36%)



Cyan (36%)


Magenta (52%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0989, 0.4666, 0.4585 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 22.0989, 0.4666, 0.4585 by changing the saturation by 10% instead.


 22.0989, 0.4666,
0.4585


 22.0989, 0.4666,
0.4585


263.0623, 0.3878,
0.3959

 13.9296, 0.4830,
0.4693


 46.9094, 0.4394,
0.4383


 8.0717, 0.5064,
0.4844


 64.3194, 0.4285,
0.4297


 4.1409, 0.5169,
0.4831

 85.5784, 0.4191,
0.4221

 1.7527, 0.5264,
0.4736

 111.0708, 0.4111,
0.4155


 0.4574, 0.5693,
0.4307


 141.1810, 0.4041,
0.4097


 0.0000, 0.0000,
0.0000


 176.2934, 0.3979,


0.4045


 216.7923, 0.3925,
0.3999

 22.0989, 0.4666,
0.4585

 22.0989, 0.4666,
0.4585

 20.9534, 0.4778,
0.4585

 23.3319, 0.4530,
0.4546

 20.9127, 0.4782,
0.4585

 24.6623, 0.4367,
0.4460

 26.0977, 0.4187,
0.4336

 27.6435, 0.3996,
0.4182

 29.3047, 0.3804,
0.4008

■ 31.0859, 0.3617,
0.3825

■ 32.9912, 0.3439,
0.3640

■ 35.0246, 0.3274,
0.3458

■ 37.1897, 0.3122,
0.3284

Harmonies

Analogous

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



22.0989, 0.5096, 0.3882



22.0989, 0.4666, 0.4585



22.0989, 0.3869, 0.5123

Triad

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



22.0989, 0.4666, 0.4585



22.0989, 0.1602, 0.2989



22.0989, 0.3047, 0.2103

Complementary

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



22.0989, 0.4666, 0.4585



5.8190, 0.1686, 0.1163

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.



22.0989, 0.2182, 0.1855



22.0989, 0.4666, 0.4585



22.0989, 0.1469, 0.2220

Square

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



22.0989, 0.4666, 0.4585



22.0989, 0.2106, 0.4130



22.0989, 0.1661, 0.1874



22.0989, 0.4102, 0.2578

Rectangle

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



22.0989, 0.4666, 0.4585



22.0989, 0.3250, 0.5171



22.0989, 0.1661, 0.1874



22.0989, 0.2724, 0.1993

Sweetspot

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



22.1000, 0.4666, 0.4585



57.1663, 0.3578, 0.3786



8.6020, 0.5469, 0.2889



12.2623, 0.3637, 0.3845



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.1000, 0.4666, 0.4585



37.6086, 0.4796, 0.4574



31.4960, 0.3830, 0.5266



7.9020, 0.3268, 0.3451



16.1244, 0.4775, 0.4590



0.4119, 0.4524, 0.4790

Inverse Universe

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



5.8190, 0.1686, 0.1163



8.0638, 0.1593, 0.0933



3.7289, 0.1725, 0.0789



7.1663, 0.2987, 0.3123



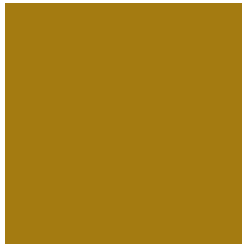
3.6066, 0.1605, 0.0979



0.1512, 0.1800, 0.1680

Previews

White Background



This preview shows how the Yxy color 22.0989, 0.4666, 0.4585 looks on a white background.

Color Contrast Check

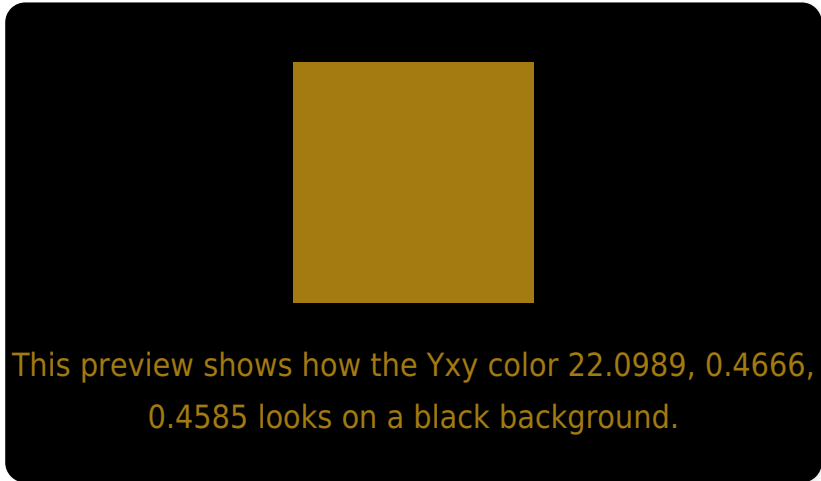
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0989, 0.4666, 0.4585

Background



This preview shows how black text looks on a background with the Yxy color 22.0989, 0.4666, 0.4585.



This preview shows how white text looks on a background with the Yxy color 22.0989, 0.4666, 0.4585.

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

22.0989, 0.4666, 0.4585

Protanopia

22.1233, 0.4346, 0.4819

Deuteranopia

22.0989, 0.4666, 0.4585



Tritanopia

22.0107, 0.3750, 0.3154

Trichromacy



Original Color

22.0989, 0.4666, 0.4585

Protanomaly

21.9947, 0.4476, 0.4725

Deuteranomaly

22.0989, 0.4666, 0.4585

Tritanomaly

21.6875, 0.4222, 0.3798

Monochromacy



Original Color

22.0989, 0.4666, 0.4585

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2093, 0.3784, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0989, 0.4666, 0.4585 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(164, 123, 17)` looks like.

```
.text, #text, p{  
    color:rgb(164, 123, 17)  
}
```

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(164, 123, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 123, 17) }
```

Border

The CSS property to change the border of an element to Yxy 22.0989, 0.4666, 0.4585 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(164, 123, 17) }
```

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

```
.border{ border-color:rgb(164, 123, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 123, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 123, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 123, 17);  
box-shadow:4px 4px 4px 4px rgb(164, 123,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0989, 0.4666, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 123, 17) }
```

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

```
.background{ background-color: rgb(164,  
123, 17) }
```

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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