

Converting Colors

$Y_{xy}(21.9215, 0.4969, 0.4411)$

Have a look what the booklet for
Yxy(21.9215, 0.4969, 0.4411)
contains.

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Color

Yxy(21.9667, 0.4958, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	B27405
RGB	178, 116, 5
RGB Percent	70%, 45%, 2%
CMY	0.3019, 0.5451, 0.9803
CMYK	0.00, 0.35, 0.97, 0.30
HSL	38°, 95%, 36%
HSV	38°, 97%, 70%
XYZ	24.6349, 21.9667, 3.0856
YIQ	121.8840, 72.5830, -21.3770

Conversions

Conversions Part 2

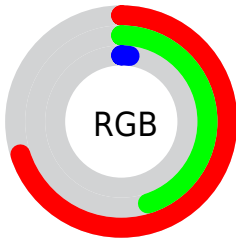
Format	Color
R_{YB}	102, 178, 5
Decimal	11695109
CIE _{Lab}	53.99, 17.10, 59.70
CIE _{LCh}	54, 62.102, 74.013
Yxy	21.9667, 0.4958, 0.4421
Android (android.graphics.Color)	4289885189 (0xFFB27405)
YUV	121.8840, -57.6238, 49.2137
Hunter-Lab	46.8686, 11.8023, 28.9047

Details

The Yxy color **21.9667, 0.4958, 0.4421** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2654, 0.1675, 0.1204**, and the grayscale version is **19.5977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7733, 0.4636, 0.4282**, and **8.1273, 0.5167, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **21.5459, 0.4998, 0.4413**, and if you desaturate by 10%, it is **23.5400, 0.4810, 0.4436**.

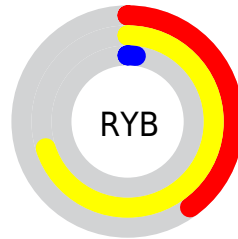
Distribution



Red (70%)

Green (45%)

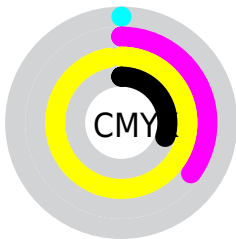
Blue (2%)



Red (40%)

Yellow (70%)

Blue (2%)

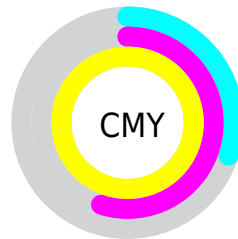


Cyan (0%)

Magenta (35%)

Yellow (97%)

Black (30%)



Cyan (30%)


Magenta (55%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9667, 0.4958, 0.4421 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 21.9667, 0.4958, 0.4421 by changing the saturation by 10% instead.


 21.9667, 0.4958,
0.4421


 21.9667, 0.4958,
0.4421


262.3723, 0.4017,
0.3926


 13.8324, 0.5156,
0.4476


 46.6910, 0.4632,
0.4282


 8.0042, 0.5445,
0.4555

 64.0497, 0.4503,
0.4215

 4.0976, 0.5580,
0.4420

 85.2521, 0.4391,
0.4154

 1.7283, 0.5798,
0.4202

 110.6826, 0.4295,
0.4098


 0.4419, 0.6546,
0.3454


 140.7254, 0.4211,
0.4048

 0.0000, 0.0000,
0.0000


 175.7650, 0.4138,

0.4003


 216.1859, 0.4074,
0.3963


 21.9667, 0.4958,
0.4421


 21.9667, 0.4958,
0.4421


 21.5459, 0.4998,
0.4413

 23.5400, 0.4810,
0.4436

 25.2615, 0.4632,
0.4403

 27.1439, 0.4430,
0.4322

 29.1958, 0.4216,
0.4204

 31.4249, 0.3999,
0.4059

■ 33.8381, 0.3788,
0.3899

■ 36.4416, 0.3589,
0.3731

■ 39.2416, 0.3405,
0.3564

■ 42.2435, 0.3237,
0.3402

Harmonies

Analogous

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



21.9667, 0.5274, 0.3667



21.9667, 0.4958, 0.4421



21.9667, 0.4177, 0.5123

Triad

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



21.9667, 0.4958, 0.4421



21.9667, 0.1605, 0.3294



21.9667, 0.2719, 0.1916

Complementary

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



21.9667, 0.4958, 0.4421



7.2654, 0.1675, 0.1204

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.



21.9667, 0.1906, 0.1733



21.9667, 0.4958, 0.4421



21.9667, 0.1363, 0.2319

Square

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



21.9667, 0.4958, 0.4421



21.9667, 0.2251, 0.4590



21.9667, 0.1468, 0.1840



21.9667, 0.3840, 0.2351

Rectangle

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



21.9667, 0.4958, 0.4421



21.9667, 0.3533, 0.5365



21.9667, 0.1468, 0.1840



21.9667, 0.2406, 0.1825

Sweetspot

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



21.9678, 0.4958, 0.4421



64.9480, 0.3634, 0.3770



9.9982, 0.5422, 0.2784



13.9457, 0.3718, 0.3841



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.



21.9678, 0.4958, 0.4421



38.6169, 0.5015, 0.4400



38.8193, 0.3961, 0.5220



9.3839, 0.3272, 0.3436



15.5365, 0.4987, 0.4422



0.5944, 0.4714, 0.4639

Inverse Universe

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



7.2654, 0.1675, 0.1204



12.0436, 0.1645, 0.1120



3.5719, 0.1573, 0.0655



8.7122, 0.2985, 0.3140



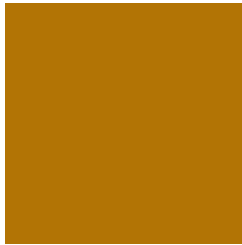
5.0177, 0.1659, 0.1171



0.2708, 0.1823, 0.1762

Previews

White Background



This preview shows how the Yxy color 21.9667, 0.4958, 0.4421 looks on a white background.

Color Contrast Check

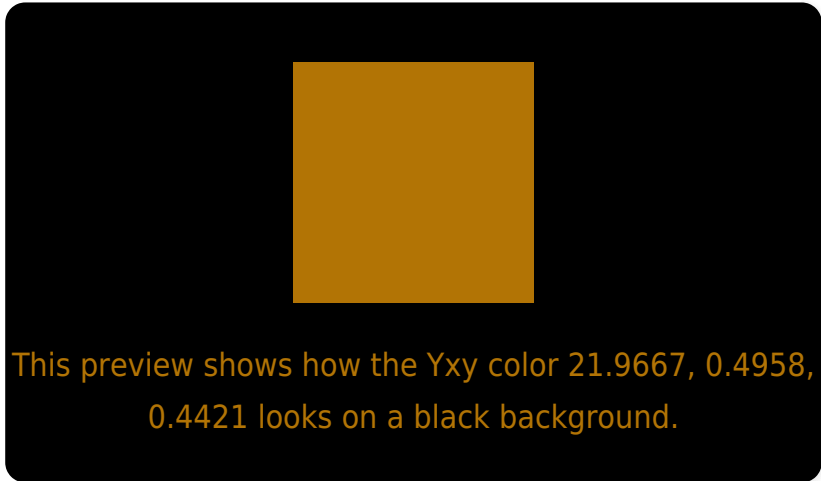
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9667, 0.4958, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 21.9667, 0.4958, 0.4421.



This preview shows how white text looks on a background with the Yxy color 21.9667, 0.4958, 0.4421.

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

21.9667, 0.4958, 0.4421

Protanopia

22.1053, 0.4365, 0.4846

Deuteranopia

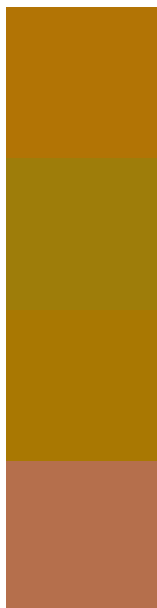
22.0584, 0.4711, 0.4641



Tritanopia

22.0534, 0.4041, 0.3178

Trichromacy



Original Color

21.9667, 0.4958, 0.4421

Protanomaly

21.9582, 0.4588, 0.4688

Deuteranomaly

21.8723, 0.4808, 0.4554

Tritanomaly

21.7144, 0.4536, 0.3782

Monochromacy



Original Color

21.9667, 0.4958, 0.4421

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.7482, 0.3917, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9667, 0.4958, 0.4421 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, 116, 5)` looks like.

```
.text, #text, p{  
    color:rgb(178, 116, 5)  
}
```

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, 116, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 116, 5) }
```

Border

The CSS property to change the border of an element to Yxy 21.9667, 0.4958, 0.4421 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, 116, 5) }
```

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

```
.border{ border-color:rgb(178, 116, 5) }
```

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

Here you see how a box with a 4 pixel rgb(178, 116, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 116, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 116, 5);  
box-shadow:4px 4px 4px 4px rgb(178, 116,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9667, 0.4958, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 116, 5) }
```

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

```
.background{ background-color: rgb(178,  
116, 5) }
```

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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