

Converting Colors

$Y_{xy}(20.9729, 0.5153, 0.4607)$

Have a look what the booklet for
Yxy(20.9729, 0.5153, 0.4607)
contains.

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Color

Yxy(21.0404, 0.4996, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	B07100
RGB	176, 113, 0
RGB Percent	69%, 44%, 0%
CMY	0.3098, 0.5568, 0.9999
CMYK	0.00, 0.36, 1.00, 0.31
HSL	39°, 100%, 35%
HSV	39°, 100%, 69%
XYZ	23.8092, 21.0404, 2.8070
YIQ	118.9550, 73.8210, -21.7870

Conversions

Conversions Part 2

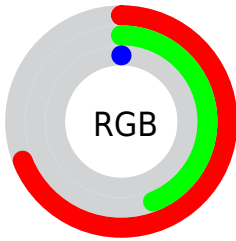
Format	Color
RYB	98, 176, 0
Decimal	11563264
CIELab	52.99, 17.80, 59.87
CIELCh	53, 62.463, 73.440
Yxy	21.0404, 0.4996, 0.4415
Android (android.graphics.Color)	4289753344 (0xFFB07100)
YUV	118.9550, -58.6448, 50.0285
Hunter-Lab	45.8698, 12.3803, 28.4807

Details

The Yxy color **21.0404, 0.4996, 0.4415** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6918, 0.1653, 0.1151**, and the grayscale version is **18.6064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2964, 0.4664, 0.4282**, and **7.6321, 0.5209, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **21.0390, 0.4996, 0.4415**, and if you desaturate by 10%, it is **22.5389, 0.4852, 0.4438**.

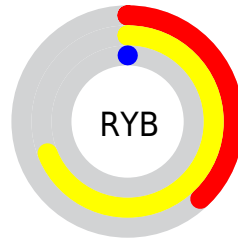
Distribution



Red (69%)

Green (44%)

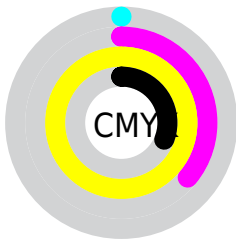
Blue (0%)



Red (38%)

Yellow (69%)

Blue (0%)

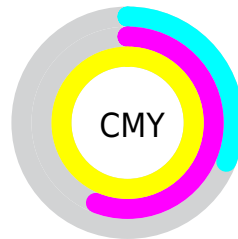


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0404, 0.4996, 0.4415 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 21.0404, 0.4996, 0.4415 by changing the saturation by 10% instead.


 21.0404, 0.4996,
0.4415


 21.0404, 0.4996,
0.4415


257.4931, 0.4031,
0.3927


 13.1535, 0.5198,
0.4464


 45.1548, 0.4662,
0.4281

 7.5344, 0.5479,
0.4521


 62.1510, 0.4529,
0.4215

 3.7985, 0.5625,
0.4375

 82.9526, 0.4415,
0.4154

 1.5615, 0.5863,
0.4137

 107.9438, 0.4316,
0.4099


 0.3314, 0.6934,
0.3066


 137.5091, 0.4230,
0.4049


 0.0000, 0.0000,
0.0000


 172.0328, 0.4155,


0.4004


 211.8993, 0.4089,
0.3964


 21.0404, 0.4996,
0.4415


 21.0404, 0.4996,
0.4415


 21.0390, 0.4996,
0.4415

 22.5389, 0.4852,
0.4438

 24.1737, 0.4682,
0.4418

 25.9624, 0.4487,
0.4349

 27.9137, 0.4275,
0.4241

 30.0351, 0.4058,
0.4102

■ 32.3337, 0.3846,
0.3945

■ 34.8156, 0.3643,
0.3778

■ 37.4868, 0.3454,
0.3610

■ 40.3528, 0.3282,
0.3446

Harmonies

Analogous

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



21.0404, 0.5312, 0.3651



21.0404, 0.4996, 0.4415



21.0404, 0.4204, 0.5140

Triad

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



21.0404, 0.4996, 0.4415



21.0404, 0.1587, 0.3315



21.0404, 0.2691, 0.1889

Complementary

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



21.0404, 0.4996, 0.4415



6.6918, 0.1653, 0.1151

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.



21.0404, 0.1874, 0.1709



21.0404, 0.4996, 0.4415



21.0404, 0.1338, 0.2313

Square

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



21.0404, 0.4996, 0.4415



21.0404, 0.2248, 0.4643



21.0404, 0.1439, 0.1822



21.0404, 0.3830, 0.2324

Rectangle

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



21.0404, 0.4996, 0.4415



21.0404, 0.3552, 0.5405



21.0404, 0.1439, 0.1822



21.0404, 0.2375, 0.1799

Sweetspot

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



21.0415, 0.4996, 0.4415



62.8942, 0.3653, 0.3787



9.6068, 0.5503, 0.2805



13.2220, 0.3736, 0.3856



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.



21.0415, 0.4996, 0.4415



37.7160, 0.5013, 0.4401



37.7764, 0.3961, 0.5237



9.3846, 0.3272, 0.3436



15.5510, 0.4985, 0.4424



0.5948, 0.4713, 0.4640

Inverse Universe

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



6.6918, 0.1653, 0.1151



11.7428, 0.1645, 0.1120



3.3231, 0.1553, 0.0629



8.7115, 0.2985, 0.3140



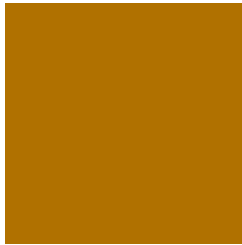
5.0103, 0.1658, 0.1169



0.2705, 0.1823, 0.1761

Previews

White Background



This preview shows how the Yxy color 21.0404, 0.4996, 0.4415 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 21.0404, 0.4996, 0.4415 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 21.0404, 0.4996, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 21.0404, 0.4996, 0.4415.



This preview shows how white text looks on a background with the Yxy color 21.0404, 0.4996, 0.4415.

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

21.0404, 0.4996, 0.4415

Protanopia

21.0449, 0.4370, 0.4845

Deuteranopia

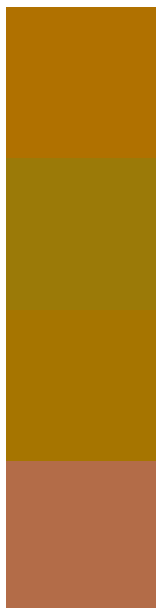
21.0100, 0.4722, 0.4633



Tritanopia

21.1192, 0.4075, 0.3177

Trichromacy



Original Color

21.0404, 0.4996, 0.4415

Protanomaly

20.9052, 0.4600, 0.4686

Deuteranomaly

20.8296, 0.4825, 0.4551

Tritanomaly

20.7767, 0.4591, 0.3797

Monochromacy



Original Color

21.0404, 0.4996, 0.4415

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8198, 0.3949, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0404, 0.4996, 0.4415 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, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 113, 0)  
}
```

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, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.0404, 0.4996, 0.4415 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, 113, 0) }
```

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

```
.border{ border-color:rgb(176, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0404, 0.4996, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 113, 0) }
```

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

```
.background{ background-color: rgb(176,  
113, 0) }
```

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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