

Converting Colors

$Y_{xy}(21.1661, 0.4996, 0.4395)$

Have a look what the booklet for
Yxy(21.1661, 0.4996, 0.4395)
contains.

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Color

Yxy(21.1661, 0.4996, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	B17104
RGB	177, 113, 4
RGB Percent	69%, 44%, 2%
CMY	0.3058, 0.5569, 0.9842
CMYK	0.00, 0.36, 0.98, 0.31
HSL	38°, 96%, 35%
HSV	38°, 98%, 69%
XYZ	24.0605, 21.1661, 2.9329
YIQ	119.7100, 73.1330, -20.3310

Conversions

Conversions Part 2

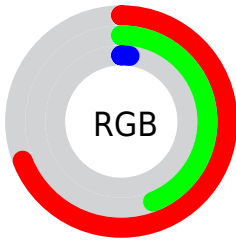
Format	Color
RYB	106, 177, 4
Decimal	11628804
CIELab	53.13, 18.32, 59.24
CIElCh	53, 62.006, 72.818
Yxy	21.1661, 0.4996, 0.4395
Android (android.graphics.Color)	4289818884 (0xFFB17104)
YUV	119.7100, -57.0450, 50.2433
Hunter-Lab	46.0066, 12.8401, 28.4249

Details

The Yxy color **21.1661, 0.4996, 0.4395** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3403, 0.1679, 0.1226**, and the grayscale version is **18.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4927, 0.4661, 0.4264**, and **7.7025, 0.5223, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **20.8282, 0.5030, 0.4388**, and if you desaturate by 10%, it is **22.7300, 0.4844, 0.4415**.

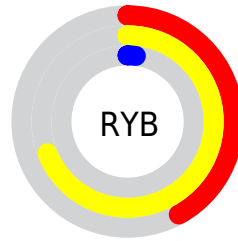
Distribution



Red (69%)

Green (44%)

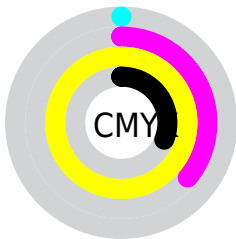
Blue (2%)



Red (42%)

Yellow (69%)

Blue (2%)

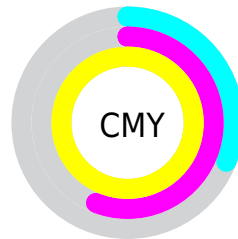


Cyan (0%)

Magenta (36%)

Yellow (98%)

Black (31%)



Cyan (31%)


Magenta (56%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1661, 0.4996, 0.4395 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 21.1661, 0.4996, 0.4395 by changing the saturation by 10% instead.


 21.1661, 0.4996,
0.4395


 21.1661, 0.4996,
0.4395


258.1599, 0.4028,
0.3916


 13.2455, 0.5201,
0.4443


 45.3638, 0.4660,
0.4263

 7.5978, 0.5494,
0.4506


 62.4097, 0.4526,
0.4199

 3.8387, 0.5643,
0.4357

 83.2661, 0.4412,
0.4139

 1.5837, 0.5885,
0.4115

 108.3174, 0.4313,
0.4085


 0.3466, 0.6914,
0.3086


 137.9481, 0.4227,
0.4036


 0.0000, 0.0000,
0.0000


 172.5424, 0.4152,

0.3992

 212.4849, 0.4087,
0.3952


 21.1661, 0.4996,
0.4395

 21.1661, 0.4996,
0.4395


 20.8282, 0.5030,
0.4388

 22.7300, 0.4844,
0.4415

 24.4449, 0.4662,
0.4386

 26.3245, 0.4456,
0.4310

 28.3774, 0.4238,
0.4196

 30.6115, 0.4017,
0.4055

■ 33.0337, 0.3803,
0.3897

■ 35.6505, 0.3601,
0.3732

■ 38.4679, 0.3415,
0.3568

■ 41.4918, 0.3246,
0.3408

Harmonies

Analogous

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



21.1661, 0.5293, 0.3637



21.1661, 0.4996, 0.4395



21.1661, 0.4219, 0.5115

Triad

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



21.1661, 0.4996, 0.4395



21.1661, 0.1609, 0.3342



21.1661, 0.2675, 0.1892

Complementary

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



21.1661, 0.4996, 0.4395



7.3403, 0.1679, 0.1226

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.



21.1661, 0.1871, 0.1719



21.1661, 0.4996, 0.4395



21.1661, 0.1352, 0.2337

Square

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



21.1661, 0.4996, 0.4395



21.1661, 0.2275, 0.4654



21.1661, 0.1445, 0.1839



21.1661, 0.3800, 0.2321

Rectangle

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



21.1661, 0.4996, 0.4395



21.1661, 0.3573, 0.5382



21.1661, 0.1445, 0.1839



21.1661, 0.2363, 0.1804

Sweetspot

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



21.1672, 0.4996, 0.4395



62.9837, 0.3636, 0.3762



9.8824, 0.5372, 0.2751



13.2231, 0.3719, 0.3830



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.



21.1672, 0.4996, 0.4395



36.8608, 0.5047, 0.4374



38.6083, 0.3990, 0.5201



9.3674, 0.3272, 0.3433



15.2079, 0.5018, 0.4397



0.5856, 0.4734, 0.4623

Inverse Universe

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



7.3403, 0.1679, 0.1226



12.1707, 0.1654, 0.1153



3.4591, 0.1559, 0.0645



8.7281, 0.2985, 0.3143



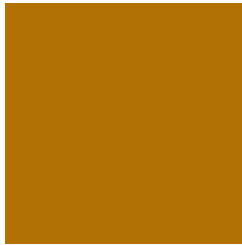
5.1886, 0.1668, 0.1203



0.2772, 0.1831, 0.1792

Previews

White Background



This preview shows how the Yxy color 21.1661, 0.4996, 0.4395 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 21.1661, 0.4996, 0.4395 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 21.1661, 0.4996, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 21.1661, 0.4996, 0.4395.



This preview shows how white text looks on a background with the Yxy color 21.1661, 0.4996, 0.4395.

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

21.1661, 0.4996, 0.4395

Protanopia

21.3967, 0.4367, 0.4843

Deuteranopia

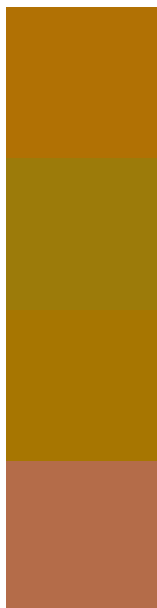
21.2518, 0.4707, 0.4645



Tritanopia

21.2405, 0.4088, 0.3177

Trichromacy



Original Color

21.1661, 0.4996, 0.4395

Protanomaly

21.2558, 0.4593, 0.4682

Deuteranomaly

21.1745, 0.4819, 0.4551

Tritanomaly

20.9095, 0.4591, 0.3781

Monochromacy



Original Color

21.1661, 0.4996, 0.4395

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.9354, 0.3939, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1661, 0.4996, 0.4395 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(177, 113, 4)` looks like.

```
.text, #text, p{  
    color:rgb(177, 113, 4)  
}
```

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(177, 113, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 113, 4) }
```

Border

The CSS property to change the border of an element to Yxy 21.1661, 0.4996, 0.4395 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(177, 113, 4) }
```

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

```
.border{ border-color:rgb(177, 113, 4) }
```

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

Here you see how a box with a 4 pixel rgb(177, 113, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 113, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 113, 4);  
box-shadow:4px 4px 4px 4px rgb(177, 113,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1661, 0.4996, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 113, 4) }
```

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

```
.background{ background-color: rgb(177,  
113, 4) }
```

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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