

Converting Colors

$Y_{xy}(21.7003, 0.4484, 0.4420)$

Have a look what the booklet for
Yxy(21.7003, 0.4484, 0.4420)
contains.

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Color

Yxy(21.5745, 0.4483, 0.4414)

Conversions

Conversions Part 1

Format	Color
Hex	A07A2C
RGB	160, 122, 44
RGB Percent	63%, 48%, 17%
CMY	0.3725, 0.5216, 0.8275
CMYK	0.00, 0.24, 0.73, 0.37
HSL	40°, 57%, 40%
HSV	40°, 73%, 63%
XYZ	21.9118, 21.5745, 5.3912
YIQ	124.4700, 47.6860, -16.2020

Conversions

Conversions Part 2

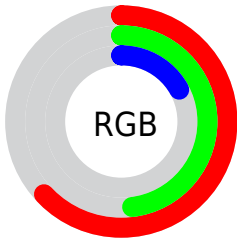
Format	Color
RYB	101, 160, 44
Decimal	10517036
CIELab	53.57, 6.70, 46.51
CIElCh	54, 46.992, 81.800
Yxy	21.5745, 0.4483, 0.4414
Android (android.graphics.Color)	4288707116 (0xFFA07A2C)
YUV	124.4700, -39.6717, 31.1598
Hunter-Lab	46.4484, 2.9218, 25.6322

Details

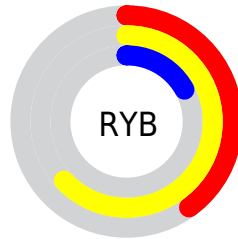
The Yxy color **21.5745, 0.4483, 0.4414** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.1067, 0.1927, 0.1687**, and the grayscale version is **20.4449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9857, 0.4223, 0.4215**, and **7.8406, 0.4776, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **20.2250, 0.4659, 0.4479**, and if you desaturate by 10%, it is **23.0420, 0.4288, 0.4308**.

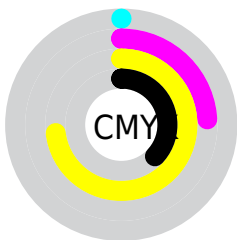
Distribution



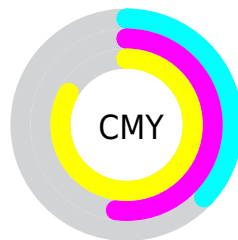
- Red (63%)
- Green (48%)
- Blue (17%)



- Red (40%)
- Yellow (63%)
- Blue (17%)



- Cyan (0%)
- Magenta (24%)
- Yellow (73%)
- Black (37%)




- Cyan (37%)
- Magenta (52%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5745, 0.4483, 0.4414 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 21.5745, 0.4483, 0.4414 by changing the saturation by 10% instead.


 21.5745, 0.4483,
0.4414


 21.5745, 0.4483,
0.4414


260.3161, 0.3759,
0.3841

 13.5446, 0.4656,
0.4535


 46.0417, 0.4219,
0.4215


 7.8046, 0.4862,
0.4663


 63.2478, 0.4118,
0.4136


 3.9702, 0.5162,
0.4838

 84.2814, 0.4034,
0.4069

 1.6569, 0.5257,
0.4743

 109.5270, 0.3962,
0.4010

 0.3955, 0.5770,
0.4230

 139.3688, 0.3900,
0.3959

 0.0000, 0.0000,
0.0000

 174.1913, 0.3847,

0.3915

214.3790, 0.3800,
0.3876

■ 21.5745, 0.4483,
0.4414

■ 21.5745, 0.4483,
0.4414

■ 20.2250, 0.4659,
0.4479

■ 23.0420, 0.4288,
0.4308

■ 18.9834, 0.4808,
0.4495

■ 24.6300, 0.4083,
0.4170

■ 18.1136, 0.4907,
0.4485

■ 26.3449, 0.3879,
0.4011

■ 28.1915, 0.3681,
0.3840

■ 30.1741, 0.3494,
0.3666

■ 32.2969, 0.3321,
0.3495

■ 34.5637, 0.3164,
0.3330

■ 36.9784, 0.3022,
0.3174

■ 39.5444, 0.2895,
0.3029

Harmonies

Analogous

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



21.5745, 0.4796, 0.3823



21.5745, 0.4483, 0.4414



21.5745, 0.3828, 0.4821

Triad

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



21.5745, 0.4483, 0.4414



21.5745, 0.1836, 0.3096



21.5745, 0.3037, 0.2255

Complementary

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



21.5745, 0.4483, 0.4414



9.1067, 0.1927, 0.1687

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.



21.5745, 0.2304, 0.2046



21.5745, 0.4483, 0.4414



21.5745, 0.1693, 0.2418

Square

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



21.5745, 0.4483, 0.4414



21.5745, 0.2303, 0.4017



21.5745, 0.1851, 0.2084



21.5745, 0.3910, 0.2669

Rectangle

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



21.5745, 0.4483, 0.4414



21.5745, 0.3299, 0.4833



21.5745, 0.1851, 0.2084



21.5745, 0.2766, 0.2160

Sweetspot

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



21.5756, 0.4483, 0.4414



54.8155, 0.3493, 0.3665



9.8940, 0.4711, 0.2750



11.8184, 0.3538, 0.3708



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.5756, 0.4483, 0.4414



35.3073, 0.4755, 0.4495



30.9582, 0.3863, 0.4993



7.3538, 0.3268, 0.3440



14.1922, 0.4899, 0.4492



0.3274, 0.4560, 0.4761

Inverse Universe

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



9.1067, 0.1927, 0.1687



11.6232, 0.1730, 0.1309



5.4064, 0.1920, 0.1114



6.7725, 0.2988, 0.3135



3.9922, 0.1639, 0.1100



0.1441, 0.1853, 0.1871

Previews

White Background



This preview shows how the Yxy color 21.5745, 0.4483, 0.4414 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 21.5745, 0.4483, 0.4414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

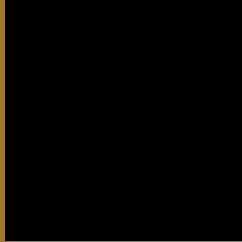
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5745, 0.4483, 0.4414

Background



This preview shows how black text looks on a background with the Yxy color 21.5745, 0.4483, 0.4414.



This preview shows how white text looks on a background with the Yxy color 21.5745, 0.4483, 0.4414.

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

21.5745, 0.4483, 0.4414

Protanopia

21.7374, 0.4172, 0.4610

Deuteranopia

21.5745, 0.4483, 0.4414



Tritanopia

21.4640, 0.3685, 0.3150

Trichromacy



Original Color

21.5745, 0.4483, 0.4414

Protanomaly

21.5007, 0.4290, 0.4537

Deuteranomaly

21.5745, 0.4483, 0.4414

Tritanomaly

21.3173, 0.4031, 0.3658

Monochromacy



Original Color

21.5745, 0.4483, 0.4414

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3105, 0.3639, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5745, 0.4483, 0.4414 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(160, 122, 44)` looks like.

```
.text, #text, p{  
    color:rgb(160, 122, 44)  
}
```

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(160, 122, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 122, 44) }
```

Border

The CSS property to change the border of an element to Yxy 21.5745, 0.4483, 0.4414 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(160, 122, 44) }
```

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

```
.border{ border-color:rgb(160, 122, 44) }
```

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

Here you see how a box with a 4 pixel rgb(160, 122, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 122, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 122, 44);  
box-shadow:4px 4px 4px 4px rgb(160, 122,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5745, 0.4483, 0.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 122, 44) }
```

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

```
.background{ background-color: rgb(160,  
122, 44) }
```

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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