

Converting Colors

$Y_{xy}(21.5820, 0.4303, 0.4427)$

Have a look what the booklet for
Yxy(21.5820, 0.4303, 0.4427)
contains.

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Color

Yxy(21.6786, 0.4304, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	997D33
RGB	153, 125, 51
RGB Percent	60%, 49%, 20%
CMY	0.3999, 0.5098, 0.7999
CMYK	0.00, 0.18, 0.67, 0.40
HSL	44°, 50%, 40%
HSV	44°, 67%, 60%
XYZ	21.0715, 21.6786, 6.2079
YIQ	124.9360, 40.4420, -17.0780

Conversions

Conversions Part 2

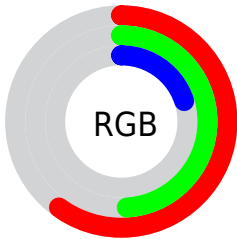
Format	Color
R _Y B	90, 153, 51
Decimal	10059059
CIE Lab	53.68, 2.25, 43.17
CIE LCh	54, 43.228, 87.016
Yxy	21.6786, 0.4304, 0.4428
Android (android.graphics.Color)	4288249139 (0xFF997D33)
YUV	124.9360, -36.4504, 24.6121
Hunter-Lab	46.5603, -0.6978, 24.6871

Details

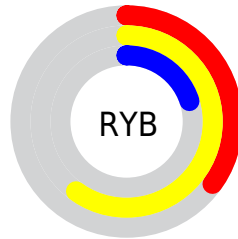
The Yxy color **21.6786, 0.4304, 0.4428** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.6038, 0.1991, 0.1727**, and the grayscale version is **20.6022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0855, 0.4074, 0.4205**, and **7.8215, 0.4642, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **20.5240, 0.4471, 0.4528**, and if you desaturate by 10%, it is **22.9248, 0.4121, 0.4293**.

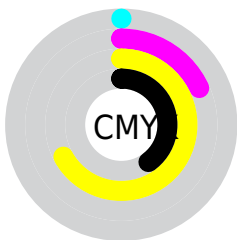
Distribution



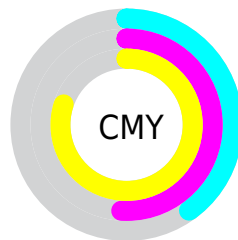
- Red (60%)
- Green (49%)
- Blue (20%)



- Red (35%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (18%)
- Yellow (67%)
- Black (40%)




- Cyan (40%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6786, 0.4304, 0.4428 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 21.6786, 0.4304, 0.4428 by changing the saturation by 10% instead.


 21.6786, 0.4304,
0.4428


 21.6786, 0.4304,
0.4428


260.8632, 0.3674,
0.3828


 13.6209, 0.4458,
0.4569


 46.2142, 0.4072,
0.4211

 7.8575, 0.4640,
0.4731


 63.4610, 0.3985,
0.4128


 4.0039, 0.4971,
0.5029

 84.5395, 0.3912,
0.4058

 1.6757, 0.5004,
0.4996

 109.8343, 0.3850,
0.3998

 0.4079, 0.5204,
0.4796

 139.7296, 0.3796,
0.3946

 0.0000, 0.0000,
0.0000

 174.6100, 0.3750,

0.3901

214.8597, 0.3709,
0.3862

■ 21.6786, 0.4304,
0.4428

■ 21.6786, 0.4304,
0.4428

■ 20.5240, 0.4471,
0.4528

■ 22.9248, 0.4121,
0.4293

■ 19.4528, 0.4614,
0.4583

■ 24.2639, 0.3932,
0.4131

■ 18.4583, 0.4731,
0.4595

■ 25.7011, 0.3743,
0.3954

■ 18.1382, 0.4769,
0.4595

■ 27.2400, 0.3560,
0.3770

■ 28.8840, 0.3387,
0.3585

■ 30.6364, 0.3226,
0.3405

■ 32.5002, 0.3080,
0.3234

■ 34.4784, 0.2946,
0.3073

■ 36.5736, 0.2826,
0.2923

Harmonies

Analogous

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



21.6786, 0.4651, 0.3903



21.6786, 0.4304, 0.4428



21.6786, 0.3665, 0.4722

Triad

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



21.6786, 0.4304, 0.4428



21.6786, 0.1883, 0.2990



21.6786, 0.3185, 0.2381

Complementary

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



21.6786, 0.4304, 0.4428



8.6038, 0.1991, 0.1727

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.



21.6786, 0.2468, 0.2147



21.6786, 0.4304, 0.4428



21.6786, 0.1795, 0.2412

Square

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



21.6786, 0.4304, 0.4428



21.6786, 0.2273, 0.3809



21.6786, 0.1992, 0.2144



21.6786, 0.3980, 0.2799

Rectangle

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



21.6786, 0.4304, 0.4428



21.6786, 0.3168, 0.4654



21.6786, 0.1992, 0.2144



21.6786, 0.2926, 0.2280

Sweetspot

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



21.6796, 0.4304, 0.4428



50.5893, 0.3450, 0.3654



9.7219, 0.4623, 0.2850



11.0038, 0.3495, 0.3701



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



21.6796, 0.4304, 0.4428



35.7824, 0.4545, 0.4561



27.8479, 0.3772, 0.4922



6.9357, 0.3266, 0.3451



15.0437, 0.4764, 0.4600



0.2844, 0.4466, 0.4836

Inverse Universe

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



8.6038, 0.1991, 0.1727



10.8291, 0.1777, 0.1346



6.0913, 0.2080, 0.1307



6.2889, 0.2988, 0.3124



3.3216, 0.1604, 0.0976



0.1045, 0.1817, 0.1740

Previews

White Background



This preview shows how the Yxy color 21.6786, 0.4304, 0.4428 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 21.6786, 0.4304, 0.4428 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 21.6786, 0.4304, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 21.6786, 0.4304, 0.4428.



This preview shows how white text looks on a background with the Yxy color 21.6786, 0.4304, 0.4428.

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

21.6786, 0.4304, 0.4428

Protanopia

21.7881, 0.4125, 0.4539

Deuteranopia

21.6406, 0.4417, 0.4330



Tritanopia

21.5999, 0.3558, 0.3147

Trichromacy



Original Color

21.6786, 0.4304, 0.4428

Protanomaly

21.8893, 0.4186, 0.4498

Deuteranomaly

21.5819, 0.4368, 0.4363

Tritanomaly

21.5019, 0.3869, 0.3637

Monochromacy



Original Color

21.6786, 0.4304, 0.4428

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7000, 0.3567, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6786, 0.4304, 0.4428 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(153, 125, 51)` looks like.

```
.text, #text, p{  
    color:rgb(153, 125, 51)  
}
```

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(153, 125, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 125, 51) }
```

Border

The CSS property to change the border of an element to Yxy 21.6786, 0.4304, 0.4428 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(153, 125, 51) }
```

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

```
.border{ border-color:rgb(153, 125, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 125, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 125, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 125, 51);  
box-shadow:4px 4px 4px 4px rgb(153, 125,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6786, 0.4304, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 125, 51) }
```

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

```
.background{ background-color: rgb(153,  
125, 51) }
```

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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