

Converting Colors

$Y_{xy}(21.2872, 0.4042, 0.4631)$

Have a look what the booklet for
Yxy(21.2872, 0.4042, 0.4631)
contains.

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Color

Yxy(21.4298, 0.4041, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	888232
RGB	136, 130, 50
RGB Percent	53%, 51%, 20%
CMY	0.4666, 0.4902, 0.8041
CMYK	0.00, 0.04, 0.63, 0.47
HSL	56°, 46%, 36%
HSV	56°, 63%, 53%
XYZ	18.7117, 21.4298, 6.1632
YIQ	122.6740, 29.2560, -23.6080

Conversions

Conversions Part 2

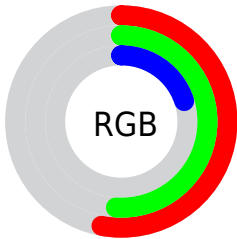
Format	Color
R_{YB}	56, 136, 50
Decimal	8946226
CIE _{Lab}	53.42, -8.34, 42.89
CIE _{LCh}	53, 43.697, 101.006
Yxy	21.4298, 0.4041, 0.4628
Android (android.graphics.Color)	4287136306 (0xFF888232)
YUV	122.6740, -35.8283, 11.6869
Hunter-Lab	46.2923, -8.8605, 24.5110

Details

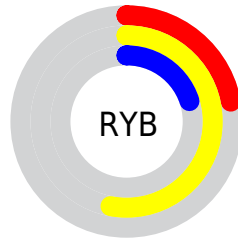
The Yxy color **21.4298, 0.4041, 0.4628** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2797, 0.1971, 0.1451**, and the grayscale version is **19.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8634, 0.3865, 0.4354**, and **7.7239, 0.4232, 0.5022** is the 20% darker color. If you saturate the color by 10%, you get **21.0792, 0.4147, 0.4767**, and if you desaturate by 10%, it is **21.8196, 0.3915, 0.4455**.

Distribution



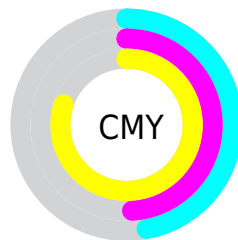
- Red (53%)
- Green (51%)
- Blue (20%)



- Red (22%)
- Yellow (53%)
- Blue (20%)



- Cyan (0%)
- Magenta (4%)
- Yellow (63%)
- Black (47%)





- Cyan (47%)
- Magenta (49%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4298, 0.4041, 0.4628 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 21.4298, 0.4041, 0.4628 by changing the saturation by 10% instead.


 21.4298, 0.4041,
0.4628


 21.4298, 0.4041,
0.4628


 259.5539, 0.3564,
0.3890

 13.4385, 0.4148,
0.4821


 45.8018, 0.3871,
0.4349


 7.7312, 0.4266,
0.5060


 62.9512, 0.3805,
0.4246

 3.9234, 0.4497,
0.5503

 83.9222, 0.3749,
0.4161

 1.6308, 0.4366,
0.5634

 109.0991, 0.3701,
0.4090

 0.3783, 0.2918,
0.7082

 138.8664, 0.3660,
0.4028

 0.0000, 0.0000,
0.0000

 173.6083, 0.3624,

0.3976

213.7094, 0.3592,
0.3930

■ 21.4298, 0.4041,
0.4628

■ 21.4298, 0.4041,
0.4628

■ 21.0792, 0.4147,
0.4767

■ 21.8196, 0.3915,
0.4455

■ 20.7616, 0.4229,
0.4867

■ 22.2485, 0.3775,
0.4255

■ 20.4741, 0.4286,
0.4926

■ 22.7199, 0.3625,
0.4037

■ 20.2892, 0.4317,
0.4954

■ 23.2361, 0.3472,
0.3811

■ 23.7993, 0.3320,
0.3584

■ 24.4115, 0.3174,
0.3361

■ 25.0746, 0.3034,
0.3147

■ 25.7903, 0.2904,
0.2946

■ 26.5603, 0.2783,
0.2758

Harmonies

Analogous

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



21.4298, 0.4556, 0.4170



21.4298, 0.4041, 0.4628



21.4298, 0.3319, 0.4725

Triad

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



21.4298, 0.4041, 0.4628



21.4298, 0.1789, 0.2671



21.4298, 0.3569, 0.2547

Complementary

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



21.4298, 0.4041, 0.4628



5.2797, 0.1971, 0.1451

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.



21.4298, 0.2773, 0.2217



21.4298, 0.4041, 0.4628



21.4298, 0.1837, 0.2236

Square

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



21.4298, 0.4041, 0.4628



21.4298, 0.2039, 0.3413



21.4298, 0.2168, 0.2100



21.4298, 0.4308, 0.3033

Rectangle

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



21.4298, 0.4041, 0.4628



21.4298, 0.2819, 0.4469



21.4298, 0.2168, 0.2100



21.4298, 0.3294, 0.2416

Sweetspot

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



21.4308, 0.4041, 0.4628



41.3176, 0.3413, 0.3723



7.8094, 0.4891, 0.3174



9.5121, 0.3452, 0.3781



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.4308, 0.4041, 0.4628



36.8921, 0.4186, 0.4816



20.5580, 0.3538, 0.4963



5.7863, 0.3259, 0.3491



19.2069, 0.4317, 0.4954



0.1359, 0.4250, 0.5008

Inverse Universe

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



5.2797, 0.1971, 0.1451



6.0462, 0.1733, 0.1047



6.0252, 0.2387, 0.1530



4.9447, 0.2991, 0.3080



1.8832, 0.1518, 0.0664



0.0189, 0.1597, 0.0949

Previews

White Background



This preview shows how the Yxy color 21.4298, 0.4041, 0.4628 looks on a white background.

Color Contrast Check

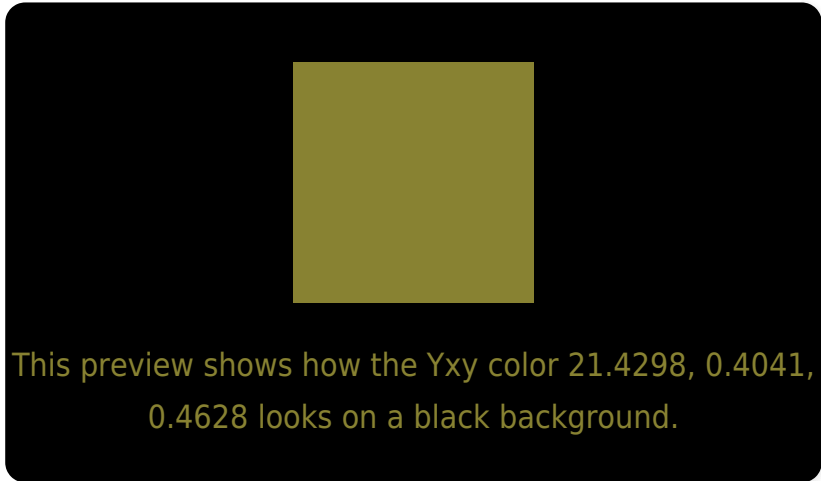
Large Text (above 18pt) WCAG AA ✓ Pass

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

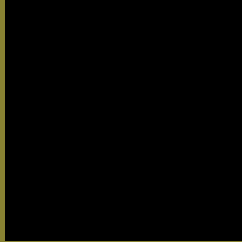
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4298, 0.4041, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 21.4298, 0.4041, 0.4628.



This preview shows how white text looks on a background with the Yxy color 21.4298, 0.4041, 0.4628.

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

21.4298, 0.4041, 0.4628

Protanopia

21.4109, 0.4147, 0.4570

Deuteranopia

21.3027, 0.4407, 0.4311



Tritanopia

21.3974, 0.3282, 0.3137

Trichromacy



Original Color

21.4298, 0.4041, 0.4628

Protanomaly

21.4977, 0.4110, 0.4597

Deuteranomaly

21.2425, 0.4281, 0.4417

Tritanomaly

21.2020, 0.3584, 0.3698

Monochromacy



Original Color

21.4298, 0.4041, 0.4628

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.3554, 0.3496, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4298, 0.4041, 0.4628 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(136, 130, 50)` looks like.

```
.text, #text, p{  
    color:rgb(136, 130, 50)  
}
```

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(136, 130, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 130, 50) }
```

Border

The CSS property to change the border of an element to Yxy 21.4298, 0.4041, 0.4628 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(136, 130, 50) }
```

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

```
.border{ border-color:rgb(136, 130, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 130, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 130, 50); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 130, 50); box-shadow:4px 4px 4px 4px rgb(136, 130, 50) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4298, 0.4041, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 130, 50) }
```

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

```
.background{ background-color: rgb(136,  
130, 50) }
```

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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