

Converting Colors

$Y_{xy}(21.4054, 0.4251, 0.4699)$

Have a look what the booklet for
Yxy(21.4054, 0.4251, 0.4699)
contains.

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Color

Yxy(21.4054, 0.4251, 0.4699)

Conversions

Conversions Part 1

Format	Color
Hex	8F8024
RGB	143, 128, 36
RGB Percent	56%, 50%, 14%
CMY	0.4393, 0.4980, 0.8587
CMYK	0.00, 0.10, 0.75, 0.44
HSL	52°, 60%, 35%
HSV	52°, 75%, 56%
XYZ	19.3646, 21.4054, 4.7831
YIQ	121.9970, 38.4720, -25.4320

Conversions

Conversions Part 2

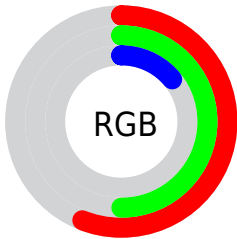
Format	Color
R_{YB}	53, 143, 36
Decimal	9404452
CIE _{Lab}	53.39, -4.88, 49.07
CIE _{LCh}	53, 49.312, 95.685
Yxy	21.4054, 0.4251, 0.4699
Android (android.graphics.Color)	4287594532 (0xFF8F8024)
YUV	121.9970, -42.3965, 18.4196
Hunter-Lab	46.2660, -6.2543, 26.2567

Details

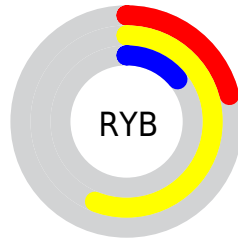
The Yxy color **21.4054, 0.4251, 0.4699** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.7285, 0.1802, 0.1240**, and the grayscale version is **19.5944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0317, 0.4047, 0.4425**, and **7.7158, 0.4389, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **20.8182, 0.4350, 0.4784**, and if you desaturate by 10%, it is **22.0399, 0.4128, 0.4573**.

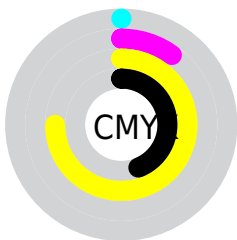
Distribution



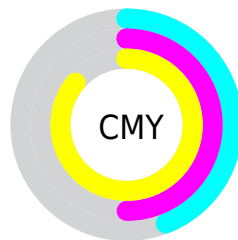
- Red (56%)
- Green (50%)
- Blue (14%)



- Red (21%)
- Yellow (56%)
- Blue (14%)



- Cyan (0%)
- Magenta (10%)
- Yellow (75%)
- Black (44%)




- Cyan (44%)
- Magenta (50%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4054, 0.4251, 0.4699 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 21.4054, 0.4251, 0.4699 by changing the saturation by 10% instead.


 21.4054, 0.4251,
0.4699

 21.4054, 0.4251,
0.4699


 259.4252, 0.3672,
0.3947


 13.4207, 0.4374,
0.4876


 45.7613, 0.4048,
0.4426


 7.7188, 0.4515,
0.5093

 62.9012, 0.3968,
0.4321


 3.9156, 0.4655,
0.5345

 83.8616, 0.3900,
0.4233

 1.6264, 0.4579,
0.5421

 109.0269, 0.3841,
0.4159

 0.3753, 0.3875,
0.6125

 138.7816, 0.3790,
0.4094

 0.0000, 0.0000,
0.0000

 173.5099, 0.3745,

0.4038

213.5963, 0.3706,
0.3990

■ 21.4054, 0.4251,
0.4699

■ 21.4054, 0.4251,
0.4699

■ 20.8182, 0.4350,
0.4784

■ 22.0399, 0.4128,
0.4573

■ 20.2703, 0.4423,
0.4827

■ 22.7224, 0.3985,
0.4412

■ 19.9940, 0.4458,
0.4843

■ 23.4571, 0.3830,
0.4226

■ 24.2472, 0.3669,
0.4022

■ 25.0953, 0.3506,
0.3809

■ 26.0038, 0.3348,
0.3596

■ 26.9751, 0.3197,
0.3387

■ 28.0114, 0.3054,
0.3187

■ 29.1147, 0.2923,
0.2999

Harmonies

Analogous

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



21.4054, 0.4778, 0.4128



21.4054, 0.4251, 0.4699



21.4054, 0.3470, 0.4945

Triad

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



21.4054, 0.4251, 0.4699



21.4054, 0.1671, 0.2706



21.4054, 0.3453, 0.2387

Complementary

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



21.4054, 0.4251, 0.4699



4.7285, 0.1802, 0.1240

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.



21.4054, 0.2586, 0.2066



21.4054, 0.4251, 0.4699



21.4054, 0.1672, 0.2172

Square

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



21.4054, 0.4251, 0.4699



21.4054, 0.1995, 0.3593



21.4054, 0.1975, 0.1980



21.4054, 0.4333, 0.2890

Rectangle

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



21.4054, 0.4251, 0.4699



21.4054, 0.2910, 0.4750



21.4054, 0.1975, 0.1980



21.4054, 0.3145, 0.2256

Sweetspot

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



21.4064, 0.4251, 0.4699



45.3176, 0.3469, 0.3759



7.3517, 0.5253, 0.3070



10.3055, 0.3507, 0.3811



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.4064, 0.4251, 0.4699



36.5836, 0.4405, 0.4819



22.8069, 0.3638, 0.5175



6.1584, 0.3262, 0.3478



17.7037, 0.4456, 0.4844



0.1922, 0.4313, 0.4958

Inverse Universe

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



4.7285, 0.1802, 0.1240



5.3483, 0.1599, 0.0858



4.6821, 0.2120, 0.1185



5.3694, 0.2990, 0.3095



2.2171, 0.1539, 0.0739



0.0400, 0.1683, 0.1258

Previews

White Background



This preview shows how the Yxy color 21.4054, 0.4251, 0.4699 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 21.4054, 0.4251, 0.4699 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 21.4054, 0.4251, 0.4699

Background



This preview shows how black text looks on a background with the Yxy color 21.4054, 0.4251, 0.4699.



This preview shows how white text looks on a background with the Yxy color 21.4054, 0.4251, 0.4699.

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

21.4054, 0.4251, 0.4699

Protanopia

21.4054, 0.4251, 0.4699

Deuteranopia

21.2948, 0.4532, 0.4447



Tritanopia

21.2627, 0.3400, 0.3124

Trichromacy



Original Color

21.4054, 0.4251, 0.4699

Protanomaly

21.4054, 0.4251, 0.4699

Deuteranomaly

21.4253, 0.4427, 0.4541

Tritanomaly

20.9483, 0.3776, 0.3756

Monochromacy



Original Color

21.4054, 0.4251, 0.4699

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.9165, 0.3589, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4054, 0.4251, 0.4699 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(143, 128, 36)` looks like.

```
.text, #text, p{  
    color:rgb(143, 128, 36)  
}
```

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(143, 128, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 128, 36) }
```

Border

The CSS property to change the border of an element to Yxy 21.4054, 0.4251, 0.4699 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(143, 128, 36) }
```

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

```
.border{ border-color:rgb(143, 128, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 128, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 128, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 128, 36);  
box-shadow:4px 4px 4px 4px rgb(143, 128,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4054, 0.4251, 0.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 128, 36) }
```

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

```
.background{ background-color: rgb(143,  
128, 36) }
```

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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