

Converting Colors

$Y_{xy}(21.3357, 0.4330, 0.4478)$

Have a look what the booklet for
Yxy(21.3357, 0.4330, 0.4478)
contains.

Yxy(21.2959, 0.4335, 0.4467)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2959, 0.4335, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	987C2F
RGB	152, 124, 47
RGB Percent	60%, 49%, 18%
CMY	0.4040, 0.5137, 0.8157
CMYK	0.00, 0.18, 0.69, 0.40
HSL	44°, 53%, 39%
HSV	44°, 69%, 60%
XYZ	20.6666, 21.2959, 5.7113
YIQ	123.5940, 41.4050, -18.0110

Conversions

Conversions Part 2

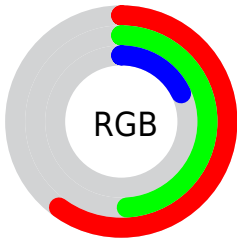
Format	Color
RYB	85, 152, 47
Decimal	9993263
CIELab	53.27, 2.08, 44.57
CIELCh	53, 44.616, 87.331
Yxy	21.2959, 0.4335, 0.4467
Android (android.graphics.Color)	4288183343 (0xFF987C2F)
YUV	123.5940, -37.7608, 24.9121
Hunter-Lab	46.1475, -0.8190, 24.9654

Details

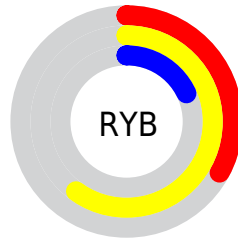
The Yxy color **21.2959, 0.4335, 0.4467** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8994, 0.1949, 0.1646**, and the grayscale version is **20.1316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4690, 0.4102, 0.4241**, and **7.7103, 0.4605, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **20.2006, 0.4494, 0.4558**, and if you desaturate by 10%, it is **22.4776, 0.4158, 0.4338**.

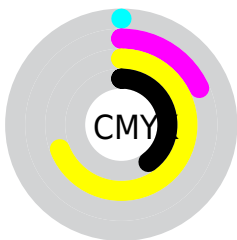
Distribution



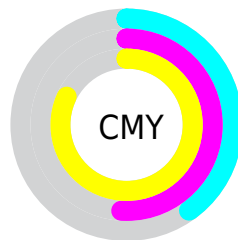
- Red (60%)
- Green (49%)
- Blue (18%)



- Red (33%)
- Yellow (60%)
- Blue (18%)



- Cyan (0%)
- Magenta (18%)
- Yellow (69%)
- Black (40%)




- Cyan (40%)
- Magenta (51%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2959, 0.4335, 0.4467 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 21.2959, 0.4335, 0.4467 by changing the saturation by 10% instead.


 21.2959, 0.4335,
0.4467

 21.2959, 0.4335,
0.4467


258.8469, 0.3690,
0.3847


 13.3405, 0.4490,
0.4610


 45.5795, 0.4099,
0.4244

 7.6634, 0.4670,
0.4772


 62.6764, 0.4010,
0.4158

 3.8803, 0.4964,
0.5036

 83.5893, 0.3935,
0.4086

 1.6069, 0.4996,
0.5004

 108.7025, 0.3871,
0.4024

 0.3622, 0.5216,
0.4784

 138.4005, 0.3816,
0.3970

 0.0000, 0.0000,
0.0000

 173.0676, 0.3768,

0.3924

213.0883, 0.3727,
0.3883

■ 21.2959, 0.4335,
0.4467

■ 21.2959, 0.4335,
0.4467

■ 20.2006, 0.4494,
0.4558

■ 22.4776, 0.4158,
0.4338

■ 19.1836, 0.4627,
0.4604

■ 23.7472, 0.3972,
0.4181

■ 18.2351, 0.4737,
0.4612

■ 25.1096, 0.3785,
0.4005

■ 18.1490, 0.4748,
0.4612

■ 26.5686, 0.3601,
0.3820

■ 28.1276, 0.3427,
0.3633

■ 29.7896, 0.3264,
0.3450

■ 31.5578, 0.3114,
0.3274

■ 33.4349, 0.2977,
0.3108

■ 35.4237, 0.2854,
0.2954

Harmonies

Analogous

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



21.2959, 0.4703, 0.3921



21.2959, 0.4335, 0.4467



21.2959, 0.3670, 0.4778

Triad

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



21.2959, 0.4335, 0.4467



21.2959, 0.1839, 0.2967



21.2959, 0.3194, 0.2356

Complementary

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



21.2959, 0.4335, 0.4467



7.8994, 0.1949, 0.1646

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.



21.2959, 0.2451, 0.2113



21.2959, 0.4335, 0.4467



21.2959, 0.1754, 0.2374

Square

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



21.2959, 0.4335, 0.4467



21.2959, 0.2235, 0.3819



21.2959, 0.1960, 0.2105



21.2959, 0.4019, 0.2786

Rectangle

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



21.2959, 0.4335, 0.4467



21.2959, 0.3156, 0.4708



21.2959, 0.1960, 0.2105



21.2959, 0.2925, 0.2251

Sweetspot

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



21.2969, 0.4335, 0.4467



49.0040, 0.3467, 0.3676



9.2150, 0.4748, 0.2873



10.9787, 0.3510, 0.3723



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.



21.2969, 0.4335, 0.4467



34.6552, 0.4571, 0.4590



27.2037, 0.3764, 0.4980



6.9443, 0.3266, 0.3452



15.2750, 0.4743, 0.4616



0.2867, 0.4457, 0.4843

Inverse Universe

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



7.8994, 0.1949, 0.1646



9.6105, 0.1737, 0.1257



5.6587, 0.2058, 0.1250



6.2808, 0.2988, 0.3122



3.2467, 0.1599, 0.0957



0.1022, 0.1809, 0.1713

Previews

White Background



This preview shows how the Yxy color 21.2959, 0.4335, 0.4467 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 21.2959, 0.4335, 0.4467 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 21.2959, 0.4335, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 21.2959, 0.4335, 0.4467.



This preview shows how white text looks on a background with the Yxy color 21.2959, 0.4335, 0.4467.

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

21.2959, 0.4335, 0.4467

Protanopia

21.4025, 0.4155, 0.4582

Deuteranopia

21.2591, 0.4451, 0.4367



Tritanopia

21.2406, 0.3561, 0.3146

Trichromacy



Original Color

21.2959, 0.4335, 0.4467

Protanomaly

21.5031, 0.4217, 0.4539

Deuteranomaly

21.2004, 0.4401, 0.4401

Tritanomaly

21.1246, 0.3887, 0.3655

Monochromacy



Original Color

21.2959, 0.4335, 0.4467

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3282, 0.3582, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2959, 0.4335, 0.4467 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(152, 124, 47)` looks like.

```
.text, #text, p{  
    color:rgb(152, 124, 47)  
}
```

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(152, 124, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 124, 47) }
```

Border

The CSS property to change the border of an element to Yxy 21.2959, 0.4335, 0.4467 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(152, 124, 47) }
```

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

```
.border{ border-color:rgb(152, 124, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 124, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 124, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 124, 47);  
box-shadow:4px 4px 4px 4px rgb(152, 124,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2959, 0.4335, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 124, 47) }
```

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

```
.background{ background-color: rgb(152,  
124, 47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor