

Converting Colors

$Y_{xy}(21.4256, 0.4336, 0.4797)$

Have a look what the booklet for
Yxy(21.4256, 0.4336, 0.4797)
contains.

Yxy(21.4256, 0.4336, 0.4797)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4256, 0.4336, 0.4797)

Conversions

Conversions Part 1

Format	Color
Hex	908016
RGB	144, 128, 22
RGB Percent	56%, 50%, 9%
CMY	0.4353, 0.4980, 0.9138
CMYK	0.00, 0.11, 0.85, 0.44
HSL	52°, 74%, 33%
HSV	52°, 85%, 56%
XYZ	19.3666, 21.4256, 3.8724
YIQ	120.7000, 43.5620, -29.5740

Conversions

Conversions Part 2

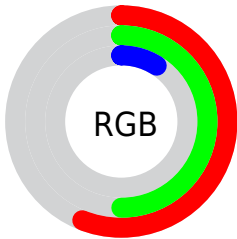
Format	Color
R_{YB}	40, 144, 22
Decimal	9469974
CIE _{Lab}	53.41, -4.97, 53.90
CIE _{LCh}	53, 54.133, 95.266
Yxy	21.4256, 0.4336, 0.4797
Android (android.graphics.Color)	4287660054 (0xFF908016)
YUV	120.7000, -48.6591, 20.4341
Hunter-Lab	46.2878, -6.3202, 27.4413

Details

The Yxy color **21.4256, 0.4336, 0.4797** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.5693, 0.1665, 0.0981**, and the grayscale version is **19.1681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5958, 0.4135, 0.4516**, and **7.7656, 0.4408, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **20.8972, 0.4406, 0.4841**, and if you desaturate by 10%, it is **21.9959, 0.4239, 0.4711**.

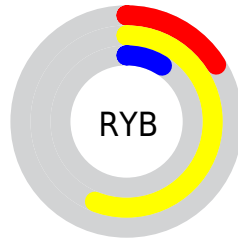
Distribution



Red (56%)

Green (50%)

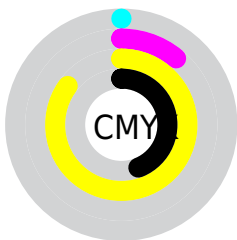
Blue (9%)



Red (16%)

Yellow (56%)

Blue (9%)

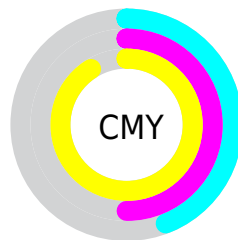


Cyan (0%)

Magenta (11%)

Yellow (85%)

Black (44%)



Cyan (44%)


Magenta (50%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4256, 0.4336, 0.4797 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 21.4256, 0.4336, 0.4797 by changing the saturation by 10% instead.


 21.4256, 0.4336,
0.4797


 21.4256, 0.4336,
0.4797


259.5317, 0.3727,
0.4007


 13.4355, 0.4454,
0.4970


 45.7948, 0.4130,
0.4517

 7.7291, 0.4614,
0.5211


 62.9426, 0.4046,
0.4408


 3.9221, 0.4651,
0.5349

 83.9118, 0.3973,
0.4315

 1.6301, 0.4574,
0.5426

 109.0867, 0.3910,
0.4235

 0.3777, 0.3863,
0.6137

 138.8518, 0.3855,
0.4166

 0.0000, 0.0000,
0.0000

 173.5914, 0.3807,

0.4106

213.6899, 0.3764,
0.4054

21.4256, 0.4336,
0.4797

21.4256, 0.4336,
0.4797

20.8972, 0.4406,
0.4841

21.9959, 0.4239,
0.4711

20.6274, 0.4439,
0.4857

22.6099, 0.4119,
0.4584

23.2725, 0.3979,
0.4422

23.9869, 0.3826,
0.4233

24.7564, 0.3666,
0.4028

■ 25.5834, 0.3505,
0.3813

■ 26.4706, 0.3347,
0.3598

■ 27.4204, 0.3196,
0.3387

■ 28.4349, 0.3054,
0.3185

Harmonies

Analogous

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



21.4256, 0.4918, 0.4157



21.4256, 0.4336, 0.4797



21.4256, 0.3490, 0.5113

Triad

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



21.4256, 0.4336, 0.4797



21.4256, 0.1560, 0.2651



21.4256, 0.3463, 0.2309

Complementary

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



21.4256, 0.4336, 0.4797



3.5693, 0.1665, 0.0981

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.



21.4256, 0.2523, 0.1970



21.4256, 0.4336, 0.4797



21.4256, 0.1561, 0.2080

Square

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



21.4256, 0.4336, 0.4797



21.4256, 0.1902, 0.3631



21.4256, 0.1877, 0.1879



21.4256, 0.4437, 0.2840

Rectangle

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



21.4256, 0.4336, 0.4797



21.4256, 0.2886, 0.4922



21.4256, 0.1877, 0.1879



21.4256, 0.3127, 0.2171

Sweetspot

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



21.4266, 0.4336, 0.4797



45.0009, 0.3517, 0.3830



6.6445, 0.5705, 0.3122



10.2124, 0.3568, 0.3898



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.



21.4266, 0.4336, 0.4797



36.2044, 0.4445, 0.4853



22.6745, 0.3616, 0.5361



6.1664, 0.3262, 0.3480



17.9845, 0.4438, 0.4859



0.1937, 0.4304, 0.4964

Inverse Universe

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



3.5693, 0.1665, 0.0981



4.2222, 0.1528, 0.0700



3.7703, 0.1999, 0.0990



5.3620, 0.2990, 0.3093



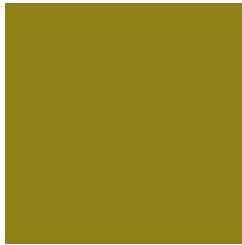
2.1773, 0.1536, 0.0728



0.0385, 0.1673, 0.1221

Previews

White Background



This preview shows how the Yxy color 21.4256, 0.4336, 0.4797 looks on a white background.

Color Contrast Check

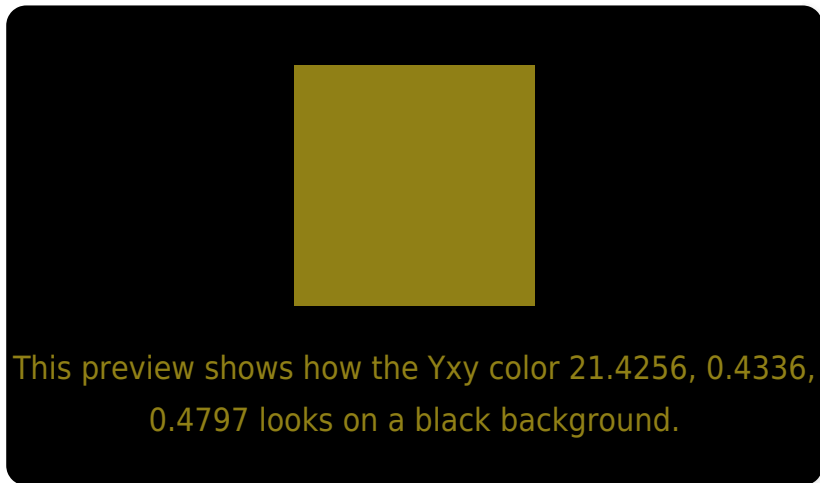
Large Text (above 18pt) WCAG AA ✓ Pass

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

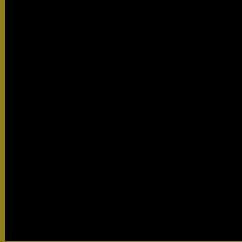
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4256, 0.4336, 0.4797

Background



This preview shows how black text looks on a background with the Yxy color 21.4256, 0.4336, 0.4797.



This preview shows how white text looks on a background with the Yxy color 21.4256, 0.4336, 0.4797.

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

21.4256, 0.4336, 0.4797

Protanopia

21.4256, 0.4336, 0.4797

Deuteranopia

21.3264, 0.4622, 0.4538



Tritanopia

21.3315, 0.3425, 0.3142

Trichromacy



Original Color

21.4256, 0.4336, 0.4797

Protanomaly

21.4256, 0.4336, 0.4797

Deuteranomaly

21.4541, 0.4513, 0.4632

Tritanomaly

20.9362, 0.3863, 0.3856

Monochromacy



Original Color

21.4256, 0.4336, 0.4797

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.7383, 0.3646, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4256, 0.4336, 0.4797 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(144, 128, 22)` looks like.

```
.text, #text, p{  
    color:rgb(144, 128, 22)  
}
```

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(144, 128, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 128, 22) }
```

Border

The CSS property to change the border of an element to Yxy 21.4256, 0.4336, 0.4797 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(144, 128, 22) }
```

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

```
.border{ border-color:rgb(144, 128, 22) }
```

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

Here you see how a box with a 4 pixel rgb(144, 128, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 128, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 128, 22);  
box-shadow:4px 4px 4px 4px rgb(144, 128,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4256, 0.4336, 0.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 128, 22) }
```

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

```
.background{ background-color: rgb(144,  
128, 22) }
```

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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