

Converting Colors

$Y_{xy}(21.2913, 0.4351, 0.4400)$

Have a look what the booklet for
Yxy(21.2913, 0.4351, 0.4400)
contains.

Yxy(21.2662, 0.4348, 0.4406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2662, 0.4348, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	9A7B32
RGB	154, 123, 50
RGB Percent	60%, 48%, 20%
CMY	0.3960, 0.5176, 0.8040
CMYK	0.00, 0.20, 0.68, 0.40
HSL	42°, 51%, 40%
HSV	42°, 68%, 60%
XYZ	20.9863, 21.2662, 6.0140
YIQ	123.9470, 41.9090, -16.1310

Conversions

Conversions Part 2

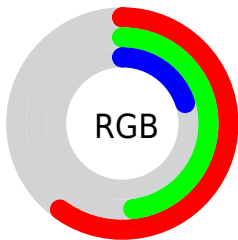
Format	Color
R _Y B	94, 154, 50
Decimal	10124082
CIE Lab	53.24, 3.76, 43.21
CIE LCh	53, 43.375, 85.029
Yxy	21.2662, 0.4348, 0.4406
Android (android.graphics.Color)	4288314162 (0xFF9A7B32)
YUV	123.9470, -36.4559, 26.3565
Hunter-Lab	46.1153, 0.5304, 24.5486

Details

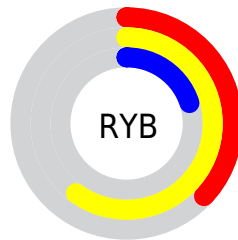
The Yxy color **21.2662, 0.4348, 0.4406** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.8947, 0.1988, 0.1753**, and the grayscale version is **20.2509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4289, 0.4105, 0.4191**, and **7.6848, 0.4664, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **20.0435, 0.4523, 0.4498**, and if you desaturate by 10%, it is **22.5891, 0.4158, 0.4277**.

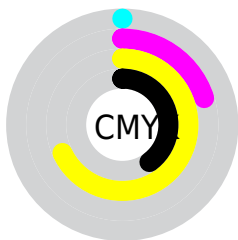
Distribution



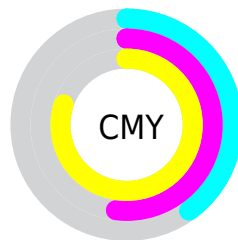
- Red (60%)
- Green (48%)
- Blue (20%)



- Red (37%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (20%)
- Yellow (68%)
- Black (40%)



- Cyan (40%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2662, 0.4348, 0.4406 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 21.2662, 0.4348, 0.4406 by changing the saturation by 10% instead.


 21.2662, 0.4348,
0.4406


 21.2662, 0.4348,
0.4406


258.6898, 0.3691,
0.3820


 13.3187, 0.4510,
0.4541


 45.5301, 0.4106,
0.4195

 7.6484, 0.4702,
0.4693


 62.6154, 0.4015,
0.4115

 3.8708, 0.5038,
0.4962

 83.5154, 0.3938,
0.4046

 1.6016, 0.5093,
0.4907

 108.6145, 0.3874,
0.3987

 0.3586, 0.5468,
0.4532

 138.2971, 0.3818,
0.3937

 0.0000, 0.0000,
0.0000

 172.9476, 0.3770,

0.3893

212.9504, 0.3728,
0.3854

■ 21.2662, 0.4348,
0.4406

■ 21.2662, 0.4348,
0.4406

■ 20.0435, 0.4523,
0.4498

■ 22.5891, 0.4158,
0.4277

■ 18.9125, 0.4673,
0.4546

■ 24.0139, 0.3962,
0.4122

■ 17.8653, 0.4798,
0.4549

■ 25.5459, 0.3767,
0.3950

■ 17.6176, 0.4828,
0.4548

■ 27.1890, 0.3580,
0.3771

■ 28.9469, 0.3404,
0.3592

■ 30.8230, 0.3241,
0.3417

■ 32.8206, 0.3092,
0.3250

■ 34.9428, 0.2958,
0.3093

■ 37.1925, 0.2837,
0.2947

Harmonies

Analogous

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



21.2662, 0.4674, 0.3868



21.2662, 0.4348, 0.4406



21.2662, 0.3716, 0.4730

Triad

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



21.2662, 0.4348, 0.4406



21.2662, 0.1889, 0.3036



21.2662, 0.3132, 0.2351

Complementary

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



21.2662, 0.4348, 0.4406



8.8947, 0.1988, 0.1753

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.



21.2662, 0.2422, 0.2130



21.2662, 0.4348, 0.4406



21.2662, 0.1781, 0.2432

Square

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



21.2662, 0.4348, 0.4406



21.2662, 0.2301, 0.3870



21.2662, 0.1961, 0.2143



21.2662, 0.3938, 0.2762

Rectangle

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



21.2662, 0.4348, 0.4406



21.2662, 0.3217, 0.4687



21.2662, 0.1961, 0.2143



21.2662, 0.2874, 0.2254

Sweetspot

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



21.2672, 0.4348, 0.4406



51.6436, 0.3453, 0.3643



9.7476, 0.4617, 0.2820



11.4990, 0.3499, 0.3690



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.2672, 0.4348, 0.4406



35.3419, 0.4603, 0.4528



28.3479, 0.3796, 0.4928



6.9118, 0.3267, 0.3446



14.4157, 0.4822, 0.4553



0.2780, 0.4494, 0.4814

Inverse Universe

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



8.8947, 0.1988, 0.1753



11.4584, 0.1779, 0.1377



5.9447, 0.2045, 0.1272



6.3116, 0.2988, 0.3129



3.5431, 0.1619, 0.1030



0.1109, 0.1838, 0.1815

Previews

White Background



This preview shows how the Yxy color 21.2662, 0.4348, 0.4406 looks on a white background.

Color Contrast Check

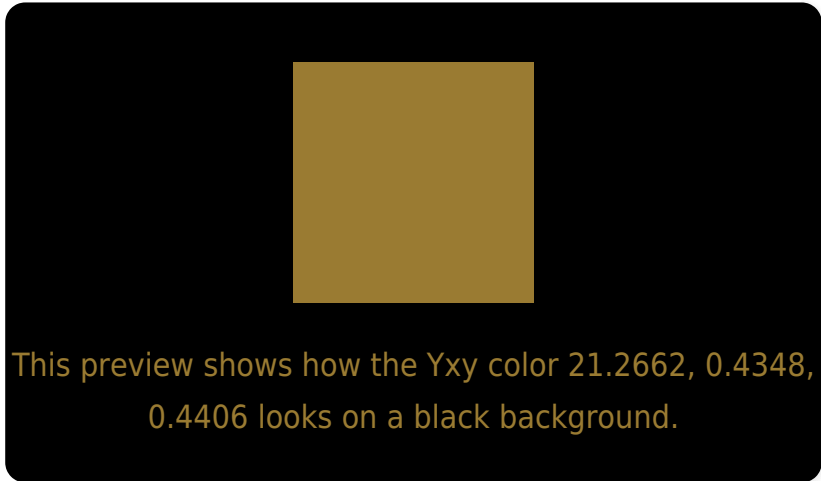
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2662, 0.4348, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 21.2662, 0.4348, 0.4406.



This preview shows how white text looks on a background with the Yxy color 21.2662, 0.4348, 0.4406.

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

21.2662, 0.4348, 0.4406

Protanopia

21.4281, 0.4131, 0.4545

Deuteranopia

21.1829, 0.4413, 0.4340



Tritanopia

21.1903, 0.3604, 0.3147

Trichromacy



Original Color

21.2662, 0.4348, 0.4406

Protanomaly

21.2717, 0.4203, 0.4490

Deuteranomaly

21.3262, 0.4388, 0.4361

Tritanomaly

21.0890, 0.3920, 0.3636

Monochromacy



Original Color

21.2662, 0.4348, 0.4406

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.4293, 0.3583, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2662, 0.4348, 0.4406 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(154, 123, 50)` looks like.

```
.text, #text, p{  
    color:rgb(154, 123, 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(154, 123, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 123, 50) }
```

Border

The CSS property to change the border of an element to Yxy 21.2662, 0.4348, 0.4406 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(154, 123, 50) }
```

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

```
.border{ border-color:rgb(154, 123, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 123, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 123, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 123, 50);  
box-shadow:4px 4px 4px 4px rgb(154, 123,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2662, 0.4348, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 123, 50) }
```

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

```
.background{ background-color: rgb(154,  
123, 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](#).

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