

Converting Colors

$Yxy(21.8484, 0.4142, 0.4968)$

Have a look what the booklet for
Yxy(21.8484, 0.4142, 0.4968)
contains.

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Color

Yxy(21.8121, 0.4142, 0.4967)

Conversions

Conversions Part 1

Format	Color
Hex	858514
RGB	133, 133, 20
RGB Percent	52%, 52%, 8%
CMY	0.4783, 0.4784, 0.9216
CMYK	0.00, 0.00, 0.85, 0.48
HSL	60°, 74%, 30%
HSV	60°, 85%, 52%
XYZ	18.1892, 21.8121, 3.9127
YIQ	120.1180, 36.2730, -35.1430

Conversions

Conversions Part 2

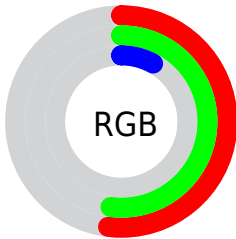
Format	Color
R_{YB}	20, 133, 20
Decimal	8750356
CIE _{Lab}	53.83, -12.84, 54.39
CIE _{LCh}	54, 55.889, 103.287
Yxy	21.8121, 0.4142, 0.4967
Android (android.graphics.Color)	4286940436 (0xFF858514)
YUV	120.1180, -49.3582, 11.2975
Hunter-Lab	46.7034, -12.2121, 27.7252

Details

The Yxy color **21.8121, 0.4142, 0.4967** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.3437, 0.1617, 0.0794**, and the grayscale version is **18.9758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4725, 0.3979, 0.4636**, and **8.0461, 0.4117, 0.5113** is the 20% darker color. If you saturate the color by 10%, you get **21.7765, 0.4178, 0.5027**, and if you desaturate by 10%, it is **21.8749, 0.4082, 0.4868**.

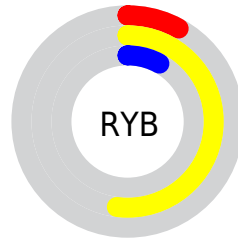
Distribution



Red (52%)

Green (52%)

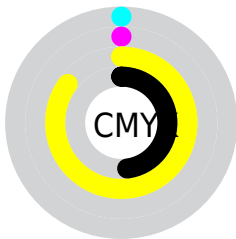
Blue (8%)



Red (8%)

Yellow (52%)

Blue (8%)

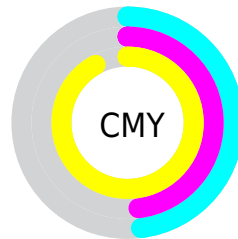


Cyan (0%)

Magenta (0%)

Yellow (85%)

Black (48%)



Cyan (48%)

Magenta (48%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8121, 0.4142, 0.4967 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 21.8121, 0.4142, 0.4967 by changing the saturation by 10% instead.

21.8121, 0.4142,
0.4967

21.8121, 0.4142,
0.4967

261.5634, 0.3650,
0.4063

13.7189, 0.4224,
0.5180

46.4352, 0.3984,
0.4637

7.9254, 0.4329,
0.5481

63.7340, 0.3916,
0.4512

4.0473, 0.4294,
0.5706

84.8700, 0.3856,
0.4406

1.7000, 0.4094,
0.5906

110.2277, 0.3804,
0.4316

0.4237, 0.1738,
0.8262

140.1915, 0.3758,
0.4239

0.0000, 0.0000,
0.0000

175.1458, 0.3718,

0.4173

215.4750, 0.3682,
0.4114

21.8121, 0.4142,
0.4967

21.8121, 0.4142,
0.4967

21.7765, 0.4178,
0.5027

21.8749, 0.4082,
0.4868

21.7614, 0.4194,
0.5052

21.9662, 0.3998,
0.4730

22.0902, 0.3892,
0.4555

22.2495, 0.3769,
0.4351

22.4467, 0.3632,
0.4125

■ 22.6838, 0.3489,
0.3887

■ 22.9629, 0.3342,
0.3645

■ 23.2860, 0.3197,
0.3406

■ 23.6548, 0.3058,
0.3175

Harmonies

Analogous

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



21.8121, 0.4836, 0.4352



21.8121, 0.4142, 0.4967



21.8121, 0.3243, 0.5134

Triad

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



21.8121, 0.4142, 0.4967



21.8121, 0.1496, 0.2433



21.8121, 0.3753, 0.2416

Complementary

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



21.8121, 0.4142, 0.4967



2.3437, 0.1617, 0.0794

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.



21.8121, 0.2740, 0.2012



21.8121, 0.4142, 0.4967



21.8121, 0.1584, 0.1965

Square

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



21.8121, 0.4142, 0.4967



21.8121, 0.1743, 0.3335



21.8121, 0.1992, 0.1849



21.8121, 0.4683, 0.2993

Rectangle

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



21.8121, 0.4142, 0.4967



21.8121, 0.2638, 0.4782



21.8121, 0.1992, 0.1849



21.8121, 0.3401, 0.2258

Sweetspot

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



21.8131, 0.4142, 0.4967



40.5801, 0.3497, 0.3902



5.5459, 0.5956, 0.3280



9.1124, 0.3541, 0.3973



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.8131, 0.4142, 0.4967



38.9561, 0.4194, 0.5052



18.4678, 0.3462, 0.5469



5.4229, 0.3257, 0.3505



20.7208, 0.4194, 0.5052



0.0718, 0.4193, 0.5052

Inverse Universe

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



2.3437, 0.1617, 0.0794



3.0335, 0.1500, 0.0600



3.6749, 0.2193, 0.1095



4.5447, 0.2992, 0.3066



1.6137, 0.1500, 0.0600



0.0056, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 21.8121, 0.4142, 0.4967 looks on a white background.

Color Contrast Check

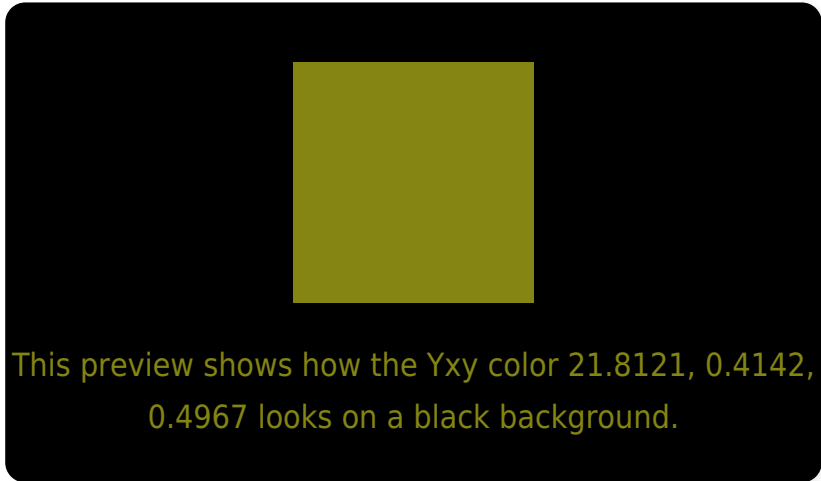
Large Text (above 18pt) WCAG AA ✓ Pass

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

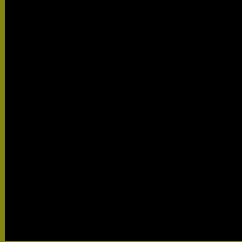
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8121, 0.4142, 0.4967

Background



This preview shows how black text looks on a background with the Yxy color 21.8121, 0.4142, 0.4967.



This preview shows how white text looks on a background with the Yxy color 21.8121, 0.4142, 0.4967.

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

21.8121, 0.4142, 0.4967

Protanopia

21.7673, 0.4347, 0.4816

Deuteranopia

21.6843, 0.4610, 0.4529



Tritanopia

21.8595, 0.3243, 0.3137

Trichromacy



Original Color

21.8121, 0.4142, 0.4967

Protanomaly

21.6750, 0.4284, 0.4865

Deuteranomaly

21.5712, 0.4437, 0.4692

Tritanomaly

21.4404, 0.3680, 0.3912

Monochromacy



Original Color

21.8121, 0.4142, 0.4967

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.6673, 0.3599, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8121, 0.4142, 0.4967 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(133, 133, 20)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 20)  
}
```

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(133, 133, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 20) }
```

Border

The CSS property to change the border of an element to Yxy 21.8121, 0.4142, 0.4967 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(133, 133, 20) }
```

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

```
.border{ border-color:rgb(133, 133, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 20);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8121, 0.4142, 0.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 20) }
```

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

```
.background{ background-color: rgb(133,  
133, 20) }
```

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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