

Converting Colors

$Y_{xy}(20.9170, 0.3952, 0.4978)$

Have a look what the booklet for
Yxy(20.9170, 0.3952, 0.4978)
contains.

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Color

Yxy(21.0169, 0.3948, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	7A8520
RGB	122, 133, 32
RGB Percent	48%, 52%, 13%
CMY	0.5215, 0.4784, 0.8745
CMYK	0.08, 0.00, 0.76, 0.48
HSL	67°, 61%, 32%
HSV	67°, 76%, 52%
XYZ	16.6750, 21.0169, 4.5447
YIQ	118.1970, 25.8650, -33.7430

Conversions

Conversions Part 2

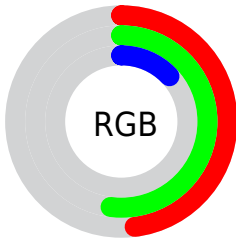
Format	Color
R_{YB}	32, 133, 43
Decimal	8029472
CIE _{Lab}	52.97, -17.37, 49.53
CIE _{LCh}	53, 52.491, 109.324
Yxy	21.0169, 0.3948, 0.4976
Android (android.graphics.Color)	4286219552 (0xFF7A8520)
YUV	118.1970, -42.4951, 3.3352
Hunter-Lab	45.8442, -15.3012, 26.2134

Details

The Yxy color **21.0169, 0.3948, 0.4976** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.2407, 0.1824, 0.1029**, and the grayscale version is **18.3126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1208, 0.3817, 0.4614**, and **7.6427, 0.3925, 0.5266** is the 20% darker color. If you saturate the color by 10%, you get **20.8546, 0.3987, 0.5093**, and if you desaturate by 10%, it is **21.2119, 0.3885, 0.4819**.

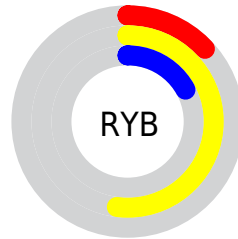
Distribution



Red (48%)

Green (52%)

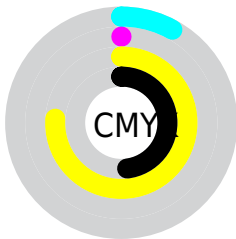
Blue (13%)



Red (13%)

Yellow (52%)

Blue (17%)

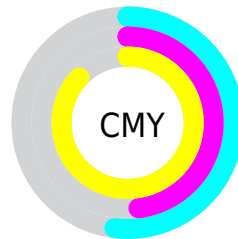


Cyan (8%)

Magenta (0%)

Yellow (76%)

Black (48%)



Cyan (52%)


Magenta (48%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0169, 0.3948, 0.4976 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 21.0169, 0.3948, 0.4976 by changing the saturation by 10% instead.

 21.0169, 0.3948,
0.4976


 21.0169, 0.3948,
0.4976


 257.3683, 0.3550,
0.4034


 13.1364, 0.4013,
0.5221


 45.1157, 0.3820,
0.4619


 7.5225, 0.4075,
0.5548


 62.1027, 0.3765,
0.4488


 3.7910, 0.4065,
0.5935

 82.8939, 0.3717,
0.4379

 1.5573, 0.3775,
0.6225

 107.8739, 0.3675,
0.4288

 0.3286, 0.0000,
1.0000

 137.4269, 0.3638,
0.4210

 0.0000, 0.0000,
0.0000

 171.9374, 0.3605,

0.4143

211.7897, 0.3576,
0.4085

21.0169, 0.3948,
0.4976

21.0169, 0.3948,
0.4976

20.8546, 0.3987,
0.5093

21.2119, 0.3885,
0.4819

20.7171, 0.4003,
0.5171

21.4399, 0.3800,
0.4626

20.6636, 0.4008,
0.5199

21.7045, 0.3697,
0.4406

22.0083, 0.3581,
0.4168

22.3535, 0.3456,
0.3920

■ 22.7421, 0.3329,
0.3672

■ 23.1760, 0.3201,
0.3429

■ 23.6572, 0.3077,
0.3197

■ 24.1871, 0.2959,
0.2979

Harmonies

Analogous

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



21.0169, 0.4664, 0.4455



21.0169, 0.3948, 0.4976



21.0169, 0.3071, 0.4973

Triad

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



21.0169, 0.3948, 0.4976



21.0169, 0.1550, 0.2354



21.0169, 0.3924, 0.2555

Complementary

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



21.0169, 0.3948, 0.4976



3.2407, 0.1824, 0.1029

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.



21.0169, 0.2942, 0.2123



21.0169, 0.3948, 0.4976



21.0169, 0.1697, 0.1973

Square

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



21.0169, 0.3948, 0.4976



21.0169, 0.1725, 0.3136



21.0169, 0.2158, 0.1915



21.0169, 0.4735, 0.3138

Rectangle

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



21.0169, 0.3948, 0.4976



21.0169, 0.2504, 0.4529



21.0169, 0.2158, 0.1915



21.0169, 0.3593, 0.2389

Sweetspot

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



21.0179, 0.3948, 0.4976



40.1900, 0.3426, 0.3860



6.7546, 0.5486, 0.3442



9.0078, 0.3465, 0.3938



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.



21.0179, 0.3948, 0.4976



37.1669, 0.4000, 0.5151



18.2732, 0.3346, 0.5387



5.3980, 0.3242, 0.3506



19.6841, 0.4009, 0.5199



0.0700, 0.4106, 0.5122

Inverse Universe

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



3.2407, 0.1824, 0.1029



3.7115, 0.1609, 0.0712



5.0336, 0.2498, 0.1363



4.5671, 0.3007, 0.3067



1.7077, 0.1552, 0.0629



0.0074, 0.1770, 0.0749

Previews

White Background



This preview shows how the Yxy color 21.0169, 0.3948, 0.4976 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 21.0169, 0.3948, 0.4976 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 21.0169, 0.3948, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 21.0169, 0.3948, 0.4976.



This preview shows how white text looks on a background with the Yxy color 21.0169, 0.3948, 0.4976.

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

21.0169, 0.3948, 0.4976

Protanopia

21.0233, 0.4285, 0.4747

Deuteranopia

20.8420, 0.4528, 0.4458



Tritanopia

20.9618, 0.3100, 0.3113

Trichromacy



Original Color

21.0169, 0.3948, 0.4976

Protanomaly

20.9503, 0.4166, 0.4824

Deuteranomaly

20.8143, 0.4313, 0.4645

Tritanomaly

20.6310, 0.3480, 0.3850

Monochromacy



Original Color

21.0169, 0.3948, 0.4976

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.7760, 0.3494, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0169, 0.3948, 0.4976 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(122, 133, 32)` looks like.

```
.text, #text, p{  
    color:rgb(122, 133, 32)  
}
```

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(122, 133, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 133, 32) }
```

Border

The CSS property to change the border of an element to Yxy 21.0169, 0.3948, 0.4976 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(122, 133, 32) }
```

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

```
.border{ border-color:rgb(122, 133, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 133, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 133, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 133, 32);  
box-shadow:4px 4px 4px 4px rgb(122, 133,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0169, 0.3948, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 133, 32) }
```

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

```
.background{ background-color: rgb(122,  
133, 32) }
```

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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