

Converting Colors

$Y_{xy}(21.5812, 0.4175, 0.4950)$

Have a look what the booklet for
Yxy(21.5812, 0.4175, 0.4950)
contains.

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Color

Yxy(21.6179, 0.4170, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	868413
RGB	134, 132, 19
RGB Percent	53%, 52%, 7%
CMY	0.4745, 0.4823, 0.9256
CMYK	0.00, 0.01, 0.86, 0.47
HSL	59°, 75%, 30%
HSV	59°, 86%, 53%
XYZ	18.2004, 21.6179, 3.8278
YIQ	119.7160, 37.4650, -34.7190

Conversions

Conversions Part 2

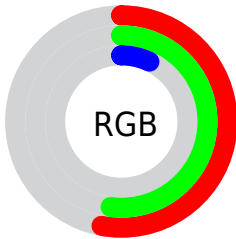
Format	Color
R_{YB}	21, 134, 19
Decimal	8815635
CIE _{Lab}	53.62, -11.89, 54.52
CIE _{LCh}	54, 55.797, 102.303
Yxy	21.6179, 0.4170, 0.4953
Android (android.graphics.Color)	4287005715 (0xFF868413)
YUV	119.7160, -49.6530, 12.5271
Hunter-Lab	46.4951, -11.4928, 27.6654

Details

The Yxy color **21.6179, 0.4170, 0.4953** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.3945, 0.1613, 0.0798**, and the grayscale version is **18.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1669, 0.4001, 0.4630**, and **7.9358, 0.4155, 0.5083** is the 20% darker color. If you saturate the color by 10%, you get **21.5211, 0.4209, 0.5009**, and if you desaturate by 10%, it is **21.7415, 0.4108, 0.4859**.

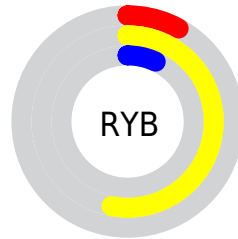
Distribution



Red (53%)

Green (52%)

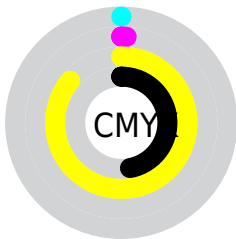
Blue (7%)



Red (8%)

Yellow (53%)

Blue (7%)

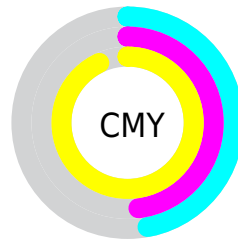


Cyan (0%)

Magenta (1%)

Yellow (86%)

Black (47%)



Cyan (47%)


Magenta (48%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6179, 0.4170, 0.4953 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 21.6179, 0.4170, 0.4953 by changing the saturation by 10% instead.


 21.6179, 0.4170,
0.4953


 21.6179, 0.4170,
0.4953


260.5443, 0.3662,
0.4059


 13.5764, 0.4256,
0.5162


 46.1137, 0.4005,
0.4628


 7.8266, 0.4372,
0.5460

 63.3367, 0.3936,
0.4505


 3.9842, 0.4336,
0.5664

 84.3891, 0.3874,
0.4400

 1.6647, 0.4148,
0.5852

 109.6551, 0.3820,
0.4311

 0.4007, 0.1844,
0.8156

 139.5193, 0.3773,
0.4234

 0.0000, 0.0000,
0.0000

 174.3659, 0.3731,

0.4168

214.5795, 0.3694,
0.4110

21.6179, 0.4170,
0.4953

21.6179, 0.4170,
0.4953

21.5211, 0.4209,
0.5009

21.7415, 0.4108,
0.4859

21.4828, 0.4223,
0.5029

21.8940, 0.4022,
0.4725

22.0796, 0.3914,
0.4555

22.3011, 0.3788,
0.4355

22.5609, 0.3650,
0.4133

■ 22.8614, 0.3504,
0.3899

■ 23.2046, 0.3356,
0.3661

■ 23.5925, 0.3210,
0.3425

■ 24.0269, 0.3070,
0.3197

Harmonies

Analogous

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



21.6179, 0.4854, 0.4330



21.6179, 0.4170, 0.4953



21.6179, 0.3274, 0.5144

Triad

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



21.6179, 0.4170, 0.4953



21.6179, 0.1497, 0.2455



21.6179, 0.3719, 0.2399

Complementary

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



21.6179, 0.4170, 0.4953



2.3945, 0.1613, 0.0798

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.



21.6179, 0.2710, 0.2002



21.6179, 0.4170, 0.4953



21.6179, 0.1575, 0.1973

Square

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



21.6179, 0.4170, 0.4953



21.6179, 0.1756, 0.3371



21.6179, 0.1972, 0.1846



21.6179, 0.4661, 0.2972

Rectangle

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



21.6179, 0.4170, 0.4953



21.6179, 0.2666, 0.4811



21.6179, 0.1972, 0.1846



21.6179, 0.3367, 0.2242

Sweetspot

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



21.6189, 0.4170, 0.4953



40.2371, 0.3515, 0.3916



5.5942, 0.5956, 0.3261



9.0290, 0.3557, 0.3985



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.



21.6189, 0.4170, 0.4953



37.8246, 0.4224, 0.5028



18.8172, 0.3481, 0.5468



5.4095, 0.3257, 0.3501



20.1334, 0.4223, 0.5029



0.0708, 0.4207, 0.5042

Inverse Universe

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



2.3945, 0.1613, 0.0798



3.0981, 0.1503, 0.0612



3.5888, 0.2153, 0.1065



4.5566, 0.2992, 0.3070



1.6621, 0.1505, 0.0616



0.0066, 0.1526, 0.0691

Previews

White Background



This preview shows how the Yxy color 21.6179, 0.4170, 0.4953 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 21.6179, 0.4170, 0.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

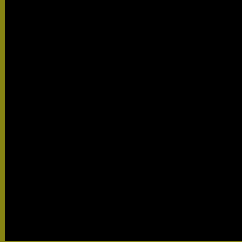
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6179, 0.4170, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 21.6179, 0.4170, 0.4953.



This preview shows how white text looks on a background with the Yxy color 21.6179, 0.4170, 0.4953.

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

21.6179, 0.4170, 0.4953

Protanopia

21.4113, 0.4351, 0.4819

Deuteranopia

21.5707, 0.4608, 0.4550



Tritanopia

21.5826, 0.3256, 0.3137

Trichromacy



Original Color

21.6179, 0.4170, 0.4953

Protanomaly

21.3196, 0.4287, 0.4868

Deuteranomaly

21.5629, 0.4446, 0.4704

Tritanomaly

21.1660, 0.3697, 0.3913

Monochromacy



Original Color

21.6179, 0.4170, 0.4953

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.3998, 0.3615, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6179, 0.4170, 0.4953 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(134, 132, 19)` looks like.

```
.text, #text, p{  
    color:rgb(134, 132, 19)  
}
```

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(134, 132, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 132, 19) }
```

Border

The CSS property to change the border of an element to Yxy 21.6179, 0.4170, 0.4953 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(134, 132, 19) }
```

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

```
.border{ border-color:rgb(134, 132, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 132, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 132, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 132, 19);  
box-shadow:4px 4px 4px 4px rgb(134, 132,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6179, 0.4170, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 132, 19) }
```

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

```
.background{ background-color: rgb(134,  
132, 19) }
```

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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