

Converting Colors

$Y_{xy}(21.0462, 0.3779, 0.4316)$

Have a look what the booklet for
Yxy(21.0462, 0.3779, 0.4316)
contains.

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Color

Yxy(20.9937, 0.3783, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	838148
RGB	131, 129, 72
RGB Percent	51%, 51%, 28%
CMY	0.4863, 0.4941, 0.7177
CMYK	0.00, 0.02, 0.45, 0.49
HSL	58°, 29%, 40%
HSV	58°, 45%, 51%
XYZ	18.3798, 20.9937, 9.2118
YIQ	123.1000, 19.4890, -17.3030

Conversions

Conversions Part 2

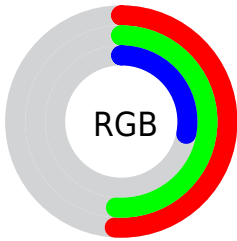
Format	Color
R_{YB}	74, 131, 72
Decimal	8618312
CIE Lab	52.94, -8.03, 31.07
CIE LCh	53, 32.088, 104.490
Yxy	20.9937, 0.3783, 0.4321
Android (android.graphics.Color)	4286808392 (0xFF838148)
YUV	123.1000, -25.1923, 6.9283
Hunter-Lab	45.8189, -8.5795, 20.1531

Details

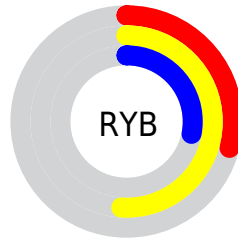
The Yxy color **20.9937, 0.3783, 0.4321** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.9113, 0.2325, 0.1996**, and the grayscale version is **19.9220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1753, 0.3645, 0.4091**, and **7.5174, 0.3984, 0.4706** is the 20% darker color. If you saturate the color by 10%, you get **20.7250, 0.3913, 0.4521**, and if you desaturate by 10%, it is **21.3013, 0.3641, 0.4101**.

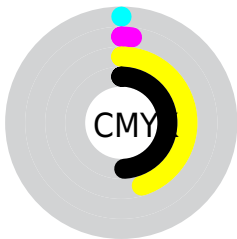
Distribution



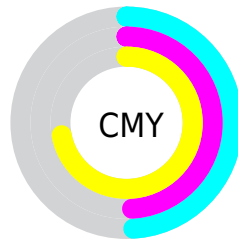
- Red (51%)
- Green (51%)
- Blue (28%)



- Red (29%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (2%)
- Yellow (45%)
- Black (49%)




- Cyan (49%)
- Magenta (49%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9937, 0.3783, 0.4321 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 20.9937, 0.3783, 0.4321 by changing the saturation by 10% instead.


 20.9937, 0.3783,
0.4321


 20.9937, 0.3783,
0.4321


257.2450, 0.3428,
0.3736

 13.1194, 0.3875,
0.4489


 45.0770, 0.3650,
0.4092


 7.5108, 0.3989,
0.4715

 62.0549, 0.3601,
0.4010

 3.7836, 0.4149,
0.5057

 82.8360, 0.3560,
0.3944

 1.5532, 0.4377,
0.5623

 107.8049, 0.3525,
0.3889

 0.3258, 0.2586,
0.7414

 137.3458, 0.3495,
0.3842

 0.0000, 0.0000,
0.0000

171.8432, 0.3470,

0.3802

211.6815, 0.3448,
0.3767

■ 20.9937, 0.3783,
0.4321

■ 20.9937, 0.3783,
0.4321

■ 20.7250, 0.3913,
0.4521

■ 21.3013, 0.3641,
0.4101

■ 20.4899, 0.4027,
0.4693

■ 21.6470, 0.3493,
0.3870

■ 20.2868, 0.4119,
0.4829

■ 22.0337, 0.3345,
0.3635

■ 20.1128, 0.4188,
0.4925

■ 22.4634, 0.3199,
0.3404

■ 19.9634, 0.4232,
0.4983

■ 22.9376, 0.3059,
0.3181

■ 19.8927, 0.4252,
0.5006

■ 23.4580, 0.2927,
0.2970

■ 24.0262, 0.2804,
0.2773

■ 24.6437, 0.2691,
0.2590

■ 25.3118, 0.2588,
0.2423

Harmonies

Analogous

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



20.9937, 0.4181, 0.4038



20.9937, 0.3783, 0.4321



20.9937, 0.3230, 0.4303

Triad

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



20.9937, 0.3783, 0.4321



20.9937, 0.2088, 0.2795



20.9937, 0.3532, 0.2762

Complementary

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



20.9937, 0.3783, 0.4321



7.9113, 0.2325, 0.1996

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.



20.9937, 0.2936, 0.2482



20.9937, 0.3783, 0.4321



20.9937, 0.2150, 0.2470

Square

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



20.9937, 0.3783, 0.4321



20.9937, 0.2269, 0.3325



20.9937, 0.2443, 0.2373



20.9937, 0.4049, 0.3161

Rectangle

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



20.9937, 0.3783, 0.4321



20.9937, 0.2852, 0.4081



20.9937, 0.2443, 0.2373



20.9937, 0.3332, 0.2652

Sweetspot

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



20.9947, 0.3783, 0.4321



39.5101, 0.3334, 0.3618



9.9655, 0.4203, 0.3236



9.1669, 0.3362, 0.3662



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.



20.9947, 0.3783, 0.4321



37.1044, 0.3916, 0.4525



19.6704, 0.3431, 0.4486



5.3967, 0.3258, 0.3498



19.5817, 0.4252, 0.5006



0.0699, 0.4220, 0.5031

Inverse Universe

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



7.9113, 0.2325, 0.1996



10.5708, 0.2117, 0.1655



8.8987, 0.2677, 0.2070



4.5680, 0.2992, 0.3074



1.7086, 0.1509, 0.0632



0.0075, 0.1549, 0.0775

Previews

White Background



This preview shows how the Yxy color 20.9937, 0.3783, 0.4321 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 20.9937, 0.3783, 0.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

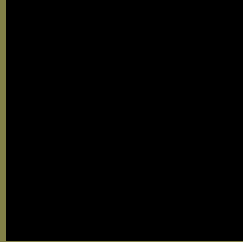
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9937, 0.3783, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 20.9937, 0.3783, 0.4321.



This preview shows how white text looks on a background with the Yxy color 20.9937, 0.3783, 0.4321.

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

20.9937, 0.3783, 0.4321

Protanopia

20.8656, 0.3921, 0.4251

Deuteranopia

21.0392, 0.4127, 0.4058



Tritanopia

20.9034, 0.3196, 0.3116

Trichromacy



Original Color

20.9937, 0.3783, 0.4321

Protanomaly

20.8679, 0.3873, 0.4281

Deuteranomaly

21.0073, 0.4008, 0.4155

Tritanomaly

20.9439, 0.3424, 0.3561

Monochromacy



Original Color

20.9937, 0.3783, 0.4321

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1023, 0.3380, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9937, 0.3783, 0.4321 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(131, 129, 72)` looks like.

```
.text, #text, p{  
    color:rgb(131, 129, 72)  
}
```

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(131, 129, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 129, 72) }
```

Border

The CSS property to change the border of an element to Yxy 20.9937, 0.3783, 0.4321 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(131, 129, 72) }
```

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

```
.border{ border-color:rgb(131, 129, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 129, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 129, 72); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 129, 72); box-shadow:4px 4px 4px 4px rgb(131, 129, 72) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9937, 0.3783, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 129, 72) }
```

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

```
.background{ background-color: rgb(131,  
129, 72) }
```

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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