

Converting Colors

$Y_{xy}(21.4520, 0.3225, 0.3721)$

Have a look what the booklet for
Yxy(21.4520, 0.3225, 0.3721)
contains.

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Color

Yxy(21.5286, 0.3222, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	77846D
RGB	119, 132, 109
RGB Percent	47%, 52%, 43%
CMY	0.5333, 0.4824, 0.5725
CMYK	0.10, 0.00, 0.17, 0.48
HSL	94°, 10%, 47%
HSV	94°, 17%, 52%
XYZ	18.6215, 21.5286, 17.6448
YIQ	125.4910, -0.3650, -9.9090

Conversions

Conversions Part 2

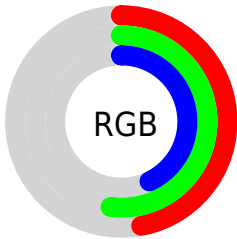
Format	Color
RYB	109, 132, 122
Decimal	7832685
CIELab	53.52, -9.27, 10.83
CIElCh	54, 14.254, 130.565
Yxy	21.5286, 0.3222, 0.3725
Android (android.graphics.Color)	4286022765 (0xFF77846D)
YUV	125.4910, -8.1301, -5.6926
Hunter-Lab	46.3989, -9.5598, 9.9322

Details

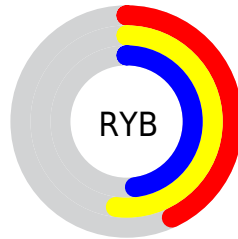
The Yxy color $21.5286, 0.3222, 0.3725$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $16.7425, 0.3017, 0.2860$, and the grayscale version is $20.7122, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9291, 0.3196, 0.3618$, and $7.8255, 0.3252, 0.3938$ is the 20% darker color. If you saturate the color by 10%, you get $20.7592, 0.3273, 0.4002$, and if you desaturate by 10%, it is $22.3839, 0.3168, 0.3467$.

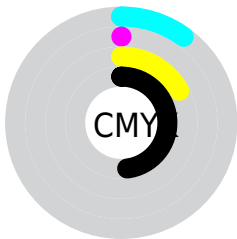
Distribution



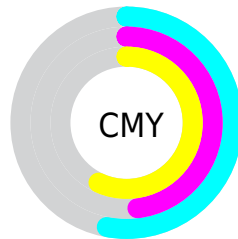
- Red (47%)
- Green (52%)
- Blue (43%)



- Red (43%)
- Yellow (52%)
- Blue (48%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)
- Black (48%)




- Cyan (53%)
- Magenta (48%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5286, 0.3222, 0.3725 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 21.5286, 0.3222, 0.3725 by changing the saturation by 10% instead.


 21.5286, 0.3222,
0.3725


 21.5286, 0.3222,
0.3725


260.0745, 0.3171,
0.3475


 13.5109, 0.3236,
0.3802


 45.9656, 0.3203,
0.3625


 7.7813, 0.3254,
0.3911


 63.1538, 0.3196,
0.3590

 3.9553, 0.3278,
0.4079

 84.1676, 0.3190,
0.3562

 1.6486, 0.3312,
0.4372

 109.3913, 0.3185,
0.3538

 0.3900, 0.2702,
0.7298

139.2095, 0.3181,
0.3519

 0.0000, 0.0000,
0.0000

174.0065, 0.3177,

0.3502

214.1667, 0.3174,
0.3488

■ 21.5286, 0.3222,
0.3725

■ 21.5286, 0.3222,
0.3725

■ 20.7592, 0.3273,
0.4002

■ 22.3839, 0.3168,
0.3467

■ 20.0702, 0.3320,
0.4293

■ 23.3250, 0.3113,
0.3231

■ 19.4594, 0.3357,
0.4590

■ 24.3554, 0.3059,
0.3017

■ 18.9235, 0.3382,
0.4882

■ 25.4776, 0.3007,
0.2825

■ 18.4591, 0.3391,
0.5154

■ 26.6940, 0.2958,
0.2654

■ 18.0624, 0.3382,
0.5392

■ 28.0067, 0.2911,
0.2501

■ 17.7290, 0.3355,
0.5583

■ 29.4179, 0.2868,
0.2365

■ 17.4512, 0.3312,
0.5725

■ 30.9298, 0.2827,
0.2244

■ 17.3855, 0.3302,
0.5760

■ 32.5445, 0.2790,
0.2136

Harmonies

Analogous

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



21.5286, 0.3460, 0.3737



21.5286, 0.3222, 0.3725



21.5286, 0.2965, 0.3581

Triad

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



21.5286, 0.3222, 0.3725



21.5286, 0.2662, 0.2938



21.5286, 0.3506, 0.3216

Complementary

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



21.5286, 0.3222, 0.3725



16.7425, 0.3017, 0.2860

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.



21.5286, 0.3278, 0.3023



21.5286, 0.3222, 0.3725



21.5286, 0.2793, 0.2863

Square

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



21.5286, 0.3222, 0.3725



21.5286, 0.2649, 0.3113



21.5286, 0.3016, 0.2896



21.5286, 0.3630, 0.3433

Rectangle

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



21.5286, 0.3222, 0.3725



21.5286, 0.2818, 0.3432



21.5286, 0.3016, 0.2896



21.5286, 0.3439, 0.3147

Sweetspot

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



21.5295, 0.3222, 0.3725



39.7986, 0.3155, 0.3411



19.8439, 0.3407, 0.3523



9.2434, 0.3158, 0.3425



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.



21.5295, 0.3222, 0.3725



37.3578, 0.3243, 0.3835



20.8832, 0.3094, 0.3717



5.2966, 0.3177, 0.3510



16.8371, 0.3303, 0.5760



0.0625, 0.3648, 0.5486

Inverse Universe

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



16.7425, 0.3017, 0.2860



27.2460, 0.2987, 0.2753



17.4796, 0.3161, 0.2897



4.6646, 0.3073, 0.3071



3.0466, 0.2182, 0.0976



0.0149, 0.2638, 0.1227

Previews

White Background



This preview shows how the Yxy color 21.5286, 0.3222, 0.3725 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 21.5286, 0.3222, 0.3725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

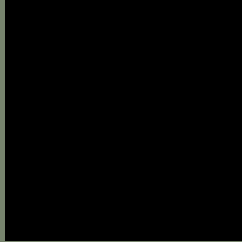
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

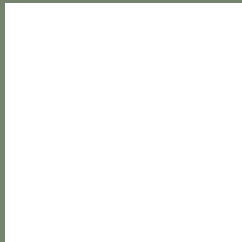
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5286, 0.3222, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 21.5286, 0.3222, 0.3725.



This preview shows how white text looks on a background with the Yxy color 21.5286, 0.3222, 0.3725.

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

21.5286, 0.3222, 0.3725

Protanopia

21.3912, 0.3453, 0.3650

Deuteranopia

21.4246, 0.3560, 0.3498



Tritanopia

21.4843, 0.2964, 0.3110

Trichromacy



Original Color

21.5286, 0.3222, 0.3725

Protanomaly

21.4504, 0.3361, 0.3676

Deuteranomaly

21.2817, 0.3434, 0.3577

Tritanomaly

21.3704, 0.3068, 0.3327

Monochromacy



Original Color

21.5286, 0.3222, 0.3725

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9812, 0.3167, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5286, 0.3222, 0.3725 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(119, 132, 109)` looks like.

```
.text, #text, p{  
    color:rgb(119, 132, 109)  
}
```

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(119, 132, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 132, 109) }
```

Border

The CSS property to change the border of an element to Yxy 21.5286, 0.3222, 0.3725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

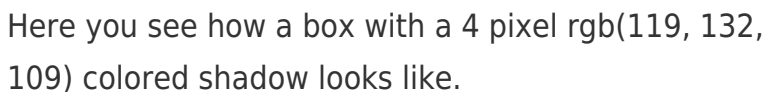
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 132, 109) }
```

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

```
.border{ border-color:rgb(119, 132, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 132, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 132, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 132, 109);  
box-shadow:4px 4px 4px 4px rgb(119, 132,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5286, 0.3222, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 132, 109) }
```

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

```
.background{ background-color: rgb(119,  
132, 109) }
```

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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