

Converting Colors

$Y_{xy}(21.7929, 0.3778, 0.3358)$

Have a look what the booklet for
Yxy(21.7929, 0.3778, 0.3358)
contains.

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Color

Yxy(21.7014, 0.3780, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	A37571
RGB	163, 117, 113
RGB Percent	64%, 46%, 44%
CMY	0.3608, 0.5411, 0.5569
CMYK	0.00, 0.28, 0.31, 0.36
HSL	5°, 21%, 54%
HSV	5°, 31%, 64%
XYZ	24.4432, 21.7014, 18.5199
YIQ	130.2980, 28.7000, 8.5080

Conversions

Conversions Part 2

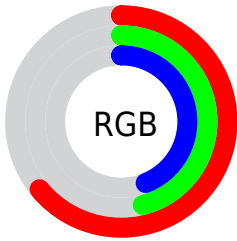
Format	Color
R_{YB}	163, 117, 113
Decimal	10712433
CIE _{Lab}	53.71, 17.49, 9.37
CIE _{LCh}	54, 19.848, 28.186
Yxy	21.7014, 0.3780, 0.3356
Android (android.graphics.Color)	4288902513 (0xFFA37571)
YUV	130.2980, -8.5279, 28.6797
Hunter-Lab	46.5848, 12.1362, 9.0384

Details

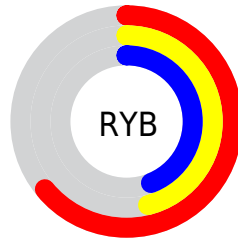
The Yxy color **21.7014, 0.3780, 0.3356** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.9363, 0.2688, 0.3223**, and the grayscale version is **22.4575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1526, 0.3632, 0.3339**, and **7.8309, 0.4057, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **18.1500, 0.4095, 0.3378**, and if you desaturate by 10%, it is **25.8799, 0.3521, 0.3333**.

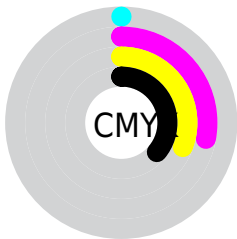
Distribution



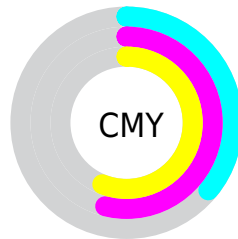
- Red (64%)
- Green (46%)
- Blue (44%)



- Red (64%)
- Yellow (46%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (31%)
- Black (36%)





- Cyan (36%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7014, 0.3780, 0.3356 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 21.7014, 0.3780, 0.3356 by changing the saturation by 10% instead.


 21.7014, 0.3780,
0.3356


 21.7014, 0.3780,
0.3356


260.9829, 0.3409,
0.3327


 13.6377, 0.3891,
0.3361


 46.2520, 0.3633,
0.3347


 7.8691, 0.4047,
0.3365


 63.5076, 0.3581,
0.3343

 4.0113, 0.4281,
0.3364

 84.5960, 0.3539,
0.3339

 1.6799, 0.4669,
0.3345

 109.9015, 0.3504,
0.3336

 0.4106, 0.6656,
0.3344

139.8086, 0.3475,
0.3333

 0.0000, 0.0000,
0.0000

174.7016, 0.3450,

0.3331

214.9649, 0.3428,
0.3329

■ 21.7014, 0.3780,
0.3356

■ 21.7014, 0.3780,
0.3356

■ 18.1500, 0.4095,
0.3378

■ 25.8799, 0.3521,
0.3333

■ 15.1926, 0.4467,
0.3398

■ 30.7105, 0.3309,
0.3312

■ 12.7976, 0.4891,
0.3411


■ 36.2205, 0.3138,
0.3291

■ 10.9293, 0.5341,
0.3414


■ 42.4349, 0.2998,
0.3273


■ 9.5480, 0.5769,
0.3403

■ 49.3772, 0.2884,
0.3256


 8.6080, 0.6113,
0.3377

 57.0701, 0.2790,
0.3241

 8.0756, 0.6332,
0.3354

 65.5351, 0.2712,
0.3227

 74.7929, 0.2647,
0.3215

 84.5585, 0.2614,
0.3254

Harmonies

Analogous

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



21.7014, 0.3535, 0.3070



21.7014, 0.3780, 0.3356



21.7014, 0.3837, 0.3643

Triad

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



21.7014, 0.3780, 0.3356



21.7014, 0.3042, 0.3806



21.7014, 0.2576, 0.2727

Complementary

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



21.7014, 0.3780, 0.3356



30.9363, 0.2688, 0.3223

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.



21.7014, 0.2463, 0.2883



21.7014, 0.3780, 0.3356



21.7014, 0.2721, 0.3513

Square

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



21.7014, 0.3780, 0.3356



21.7014, 0.3398, 0.3932



21.7014, 0.2514, 0.3167



21.7014, 0.2833, 0.2718

Rectangle

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



21.7014, 0.3780, 0.3356



21.7014, 0.3761, 0.3801



21.7014, 0.2514, 0.3167



21.7014, 0.2521, 0.2763

Sweetspot

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



21.7024, 0.3780, 0.3356



56.4211, 0.3281, 0.3308



22.1186, 0.3200, 0.2591



12.3786, 0.3307, 0.3311



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.7024, 0.3780, 0.3356



34.2996, 0.3994, 0.3372



28.1209, 0.3669, 0.3731



7.1733, 0.3283, 0.3309



6.3073, 0.6324, 0.3361



0.1583, 0.5997, 0.3621

Inverse Universe

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



30.9363, 0.2688, 0.3223



53.5792, 0.2601, 0.3205



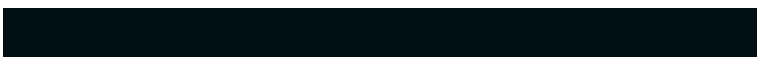
23.3852, 0.2641, 0.2804



7.9133, 0.2988, 0.3271



19.0094, 0.2178, 0.3041



0.4261, 0.2205, 0.3138

Previews

White Background



This preview shows how the Yxy color 21.7014, 0.3780, 0.3356 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 21.7014, 0.3780, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

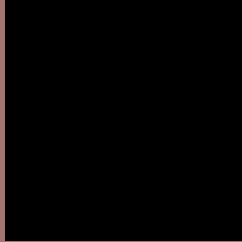
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7014, 0.3780, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 21.7014, 0.3780, 0.3356.



This preview shows how white text looks on a background with the Yxy color 21.7014, 0.3780, 0.3356.

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

21.7014, 0.3780, 0.3356

Protanopia

21.7568, 0.3287, 0.3451

Deuteranopia

21.7882, 0.3557, 0.3496



Tritanopia

21.6092, 0.3655, 0.3150

Trichromacy



Original Color

21.7014, 0.3780, 0.3356

Protanomaly

21.6289, 0.3458, 0.3412

Deuteranomaly

21.6169, 0.3646, 0.3442

Tritanomaly

21.7394, 0.3705, 0.3229

Monochromacy



Original Color

21.7014, 0.3780, 0.3356

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.8733, 0.3346, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7014, 0.3780, 0.3356 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(163, 117, 113)` looks like.

```
.text, #text, p{  
    color:rgb(163, 117, 113)  
}
```

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(163, 117, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 117, 113) }
```

Border

The CSS property to change the border of an element to Yxy 21.7014, 0.3780, 0.3356 is called "border". The border property can be set on classes, ids or directly on the HTML element.

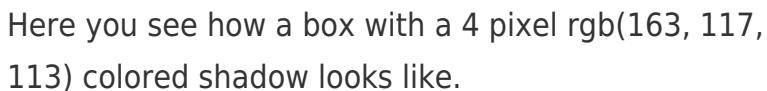
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 117, 113) }
```

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

```
.border{ border-color:rgb(163, 117, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 117, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 117, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 117, 113); box-shadow:4px 4px 4px 4px rgb(163, 117, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7014, 0.3780, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 117, 113) }
```

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

```
.background{ background-color: rgb(163,  
117, 113) }
```

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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