

Converting Colors

$Yxy(21.7846, 0.4047, 0.3460)$

Have a look what the booklet for
Yxy(21.7846, 0.4047, 0.3460)
contains.

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Color

Yxy(21.7846, 0.4047, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	AC7267
RGB	172, 114, 103
RGB Percent	67%, 45%, 40%
CMY	0.3255, 0.5529, 0.5960
CMYK	0.00, 0.34, 0.40, 0.33
HSL	10°, 29%, 54%
HSV	10°, 40%, 67%
XYZ	25.4804, 21.7846, 15.6962
YIQ	130.0880, 38.0990, 8.8750

Conversions

Conversions Part 2

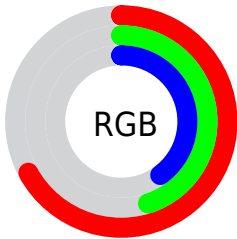
Format	Color
R_{YB}	172, 116, 103
Decimal	11301479
CIE Lab	53.80, 21.55, 15.47
CIE LCh	54, 26.526, 35.684
Yxy	21.7846, 0.4047, 0.3460
Android (android.graphics.Color)	4289491559 (0xFFAC7267)
YUV	130.0880, -13.3544, 36.7568
Hunter-Lab	46.6740, 15.7679, 12.7328

Details

The Yxy color **21.7846, 0.4047, 0.3460** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.3590, 0.2557, 0.3109**, and the grayscale version is **22.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2635, 0.3841, 0.3432**, and **7.8480, 0.4414, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **18.4665, 0.4396, 0.3499**, and if you desaturate by 10%, it is **25.6916, 0.3750, 0.3417**.

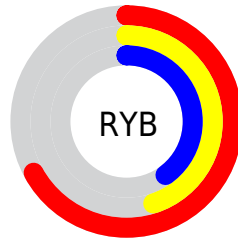
Distribution



Red (67%)

Green (45%)

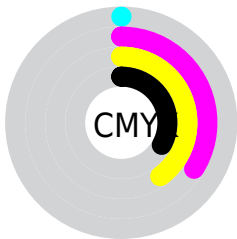
Blue (40%)



Red (67%)

Yellow (45%)

Blue (40%)

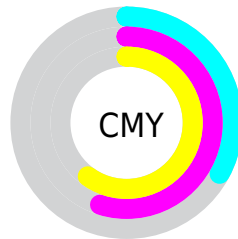


Cyan (0%)

Magenta (34%)

Yellow (40%)

Black (33%)



Cyan (33%)


Magenta (55%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7846, 0.4047, 0.3460 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 21.7846, 0.4047, 0.3460 by changing the saturation by 10% instead.


 21.7846, 0.4047,
0.3460

 21.7846, 0.4047,
0.3460


261.4193, 0.3524,
0.3381


 13.6987, 0.4202,
0.3475


 46.3897, 0.3840,
0.3434


 7.9114, 0.4418,
0.3489


 63.6778, 0.3767,
0.3423

 4.0383, 0.4737,
0.3495

 84.8020, 0.3708,
0.3414

 1.6950, 0.5298,
0.3501

 110.1467, 0.3659,
0.3405

 0.4204, 0.6883,
0.3117

140.0965, 0.3618,
0.3398

 0.0000, 0.0000,
0.0000

175.0355, 0.3582,

0.3392

215.3484, 0.3551,
0.3386

■ 21.7846, 0.4047,
0.3460

■ 21.7846, 0.4047,
0.3460

■ 18.4665, 0.4396,
0.3499

■ 25.6916, 0.3750,
0.3417

■ 15.7057, 0.4792,
0.3528

■ 30.2111, 0.3502,
0.3372

■ 13.4721, 0.5216,
0.3540


■ 35.3689, 0.3297,
0.3330


■ 11.7317, 0.5630,
0.3527

■ 41.1887, 0.3129,
0.3290


■ 10.4464, 0.5981,
0.3484

■ 47.6928, 0.2990,
0.3254

 9.5738, 0.6238,
0.3429

 54.9026, 0.2875,
0.3221

 62.8384, 0.2780,
0.3191

 71.5198, 0.2700,
0.3164

 80.7828, 0.2647,
0.3169

Harmonies

Analogous

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



21.7846, 0.3773, 0.3084



21.7846, 0.4047, 0.3460



21.7846, 0.4048, 0.3826

Triad

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



21.7846, 0.4047, 0.3460



21.7846, 0.2890, 0.3910



21.7846, 0.2470, 0.2532

Complementary

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



21.7846, 0.4047, 0.3460



31.3590, 0.2557, 0.3109

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.



21.7846, 0.2277, 0.2676



21.7846, 0.4047, 0.3460



21.7846, 0.2503, 0.3468

Square

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



21.7846, 0.4047, 0.3460



21.7846, 0.3361, 0.4143



21.7846, 0.2287, 0.3007



21.7846, 0.2841, 0.2571

Rectangle

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



21.7846, 0.4047, 0.3460



21.7846, 0.3899, 0.4022



21.7846, 0.2287, 0.3007



21.7846, 0.2384, 0.2559

Sweetspot

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



21.7857, 0.4047, 0.3460



62.0932, 0.3337, 0.3339



21.0705, 0.3296, 0.2449



13.2340, 0.3361, 0.3344



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.7857, 0.4047, 0.3460



34.1955, 0.4350, 0.3495



30.8865, 0.3844, 0.3953



8.2138, 0.3283, 0.3327



7.1786, 0.6224, 0.3440



0.2609, 0.5742, 0.3823

Inverse Universe

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



31.3590, 0.2557, 0.3109



53.9076, 0.2453, 0.3063



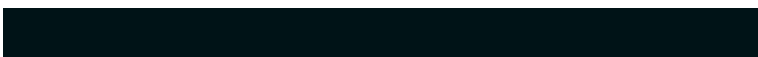
21.0829, 0.2466, 0.2517



8.8515, 0.2986, 0.3253



17.2629, 0.2107, 0.2784



0.5374, 0.2153, 0.2952

Previews

White Background



This preview shows how the Yxy color 21.7846, 0.4047, 0.3460 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 21.7846, 0.4047, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

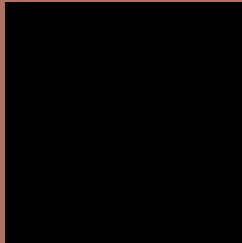
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7846, 0.4047, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 21.7846, 0.4047, 0.3460.



This preview shows how white text looks on a background with the Yxy color 21.7846, 0.4047, 0.3460.

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

21.7846, 0.4047, 0.3460

Protanopia

22.0605, 0.3425, 0.3629

Deuteranopia

21.9342, 0.3743, 0.3679



Tritanopia

21.9431, 0.3851, 0.3172

Trichromacy



Original Color

21.7846, 0.4047, 0.3460

Protanomaly

21.8664, 0.3644, 0.3580

Deuteranomaly

21.7632, 0.3856, 0.3585

Tritanomaly

21.9094, 0.3915, 0.3277

Monochromacy



Original Color

21.7846, 0.4047, 0.3460

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.7911, 0.3434, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7846, 0.4047, 0.3460 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(172, 114, 103)` looks like.

```
.text, #text, p{  
    color:rgb(172, 114, 103)  
}
```

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(172, 114, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 114, 103) }
```

Border

The CSS property to change the border of an element to Yxy 21.7846, 0.4047, 0.3460 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(172, 114, 103) }
```

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

```
.border{ border-color:rgb(172, 114, 103) }
```

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

Here you see how a box with a 4 pixel rgb(172, 114, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 114, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 114, 103);  
box-shadow:4px 4px 4px 4px rgb(172, 114,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7846, 0.4047, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 114, 103) }
```

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

```
.background{ background-color: rgb(172,  
114, 103) }
```

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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