

Converting Colors

$Y_{xy}(21.0104, 0.4413, 0.3711)$

Have a look what the booklet for
Yxy(21.0104, 0.4413, 0.3711)
contains.

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Color

Yxy(20.9760, 0.4422, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	B06E51
RGB	176, 110, 81
RGB Percent	69%, 43%, 32%
CMY	0.3098, 0.5686, 0.6823
CMYK	0.00, 0.38, 0.54, 0.31
HSL	18°, 38%, 50%
HSV	18°, 54%, 69%
XYZ	24.9679, 20.9760, 10.5191
YIQ	126.4280, 48.6450, 4.9730

Conversions

Conversions Part 2

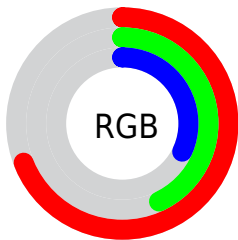
Format	Color
R _Y B	176, 123, 81
Decimal	11562577
CIE Lab	52.92, 23.14, 27.06
CIE LCh	53, 35.607, 49.469
Yxy	20.9760, 0.4422, 0.3715
Android (android.graphics.Color)	4289752657 (0xFFB06E51)
YUV	126.4280, -22.3960, 43.4746
Hunter-Lab	45.7996, 17.1612, 18.4422

Details

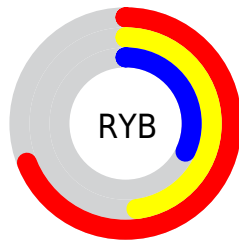
The Yxy color **20.9760, 0.4422, 0.3715** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25.7597, 0.2347, 0.2790**, and the grayscale version is **21.0836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9718, 0.4129, 0.3645**, and **7.4519, 0.4936, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **18.2868, 0.4774, 0.3769**, and if you desaturate by 10%, it is **24.1001, 0.4101, 0.3643**.

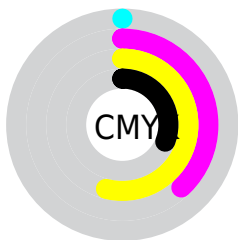
Distribution



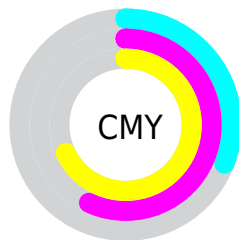
- Red (69%)
- Green (43%)
- Blue (32%)



- Red (69%)
- Yellow (48%)
- Blue (32%)



- Cyan (0%)
- Magenta (38%)
- Yellow (54%)
- Black (31%)





- Cyan (31%)
- Magenta (57%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9760, 0.4422, 0.3715 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 20.9760, 0.4422, 0.3715 by changing the saturation by 10% instead.


 20.9760, 0.4422,
0.3715


 20.9760, 0.4422,
0.3715


257.1509, 0.3688,
0.3512


 13.1065, 0.4634,
0.3753


 45.0476, 0.4134,
0.3648

 7.5019, 0.4920,
0.3788


 62.0184, 0.4032,
0.3620


 3.7779, 0.5323,
0.3801


 82.7918, 0.3949,
0.3596

 1.5501, 0.6130,
0.3870

 107.7522, 0.3879,
0.3575

 0.3236, 0.7295,
0.2705

 137.2838, 0.3820,
0.3556

 0.0000, 0.0000,
0.0000

171.7713, 0.3770,

0.3540

211.5988, 0.3726,
0.3525

■ 20.9760, 0.4422,
0.3715

■ 20.9760, 0.4422,
0.3715

■ 18.2868, 0.4774,
0.3769

■ 24.1001, 0.4101,
0.3643

■ 16.0090, 0.5138,
0.3793

■ 27.6747, 0.3817,
0.3562

■ 14.1217, 0.5487,
0.3776

■ 31.7184, 0.3573,
0.3478

■ 12.6003, 0.5786,
0.3712

■ 36.2481, 0.3365,
0.3397

■ 11.8426, 0.5943,
0.3663

■ 41.2793, 0.3189,
0.3319

■ 46.8273, 0.3041,
0.3247

■ 52.9064, 0.2915,
0.3181

■ 59.5305, 0.2809,
0.3121

■ 66.7130, 0.2719,
0.3066

Harmonies

Analogous

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



20.9760, 0.4221, 0.3221



20.9760, 0.4422, 0.3715



20.9760, 0.4232, 0.4173

Triad

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



20.9760, 0.4422, 0.3715



20.9760, 0.2537, 0.3888



20.9760, 0.2449, 0.2291

Complementary

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



20.9760, 0.4422, 0.3715



25.7597, 0.2347, 0.2790

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.



20.9760, 0.2092, 0.2352



20.9760, 0.4422, 0.3715



20.9760, 0.2131, 0.3213

Square

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



20.9760, 0.4422, 0.3715



20.9760, 0.3127, 0.4382



20.9760, 0.1982, 0.2659



20.9760, 0.3018, 0.2444

Rectangle

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



20.9760, 0.4422, 0.3715



20.9760, 0.3934, 0.4394



20.9760, 0.1982, 0.2659



20.9760, 0.2303, 0.2285

Sweetspot

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



20.9771, 0.4422, 0.3715



63.7591, 0.3410, 0.3415



17.2405, 0.3575, 0.2357



13.4551, 0.3450, 0.3431



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.9771, 0.4422, 0.3715



32.2059, 0.4852, 0.3777



33.9436, 0.4028, 0.4348



8.9141, 0.3280, 0.3360



8.7802, 0.5924, 0.3678



0.3820, 0.5368, 0.4119

Inverse Universe

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



25.7597, 0.2347, 0.2790



41.6785, 0.2208, 0.2653



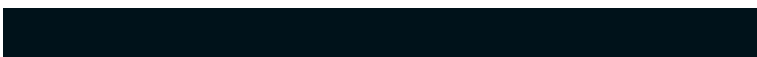
14.0011, 0.2171, 0.1925



9.1851, 0.2986, 0.3219



12.6731, 0.1966, 0.2279



0.4959, 0.2054, 0.2594

Previews

White Background



This preview shows how the Yxy color 20.9760, 0.4422, 0.3715 looks on a white background.

Color Contrast Check

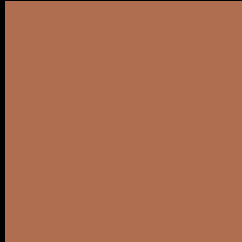
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9760, 0.4422, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

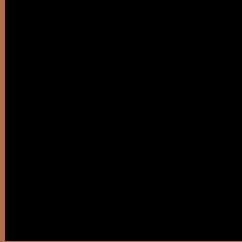
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9760, 0.4422, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 20.9760, 0.4422, 0.3715.



This preview shows how white text looks on a background with the Yxy color 20.9760, 0.4422, 0.3715.

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

20.9760, 0.4422, 0.3715

Protanopia

21.2017, 0.3700, 0.3988

Deuteranopia

21.0116, 0.4056, 0.3985



Tritanopia

20.9880, 0.4016, 0.3175

Trichromacy



Original Color

20.9760, 0.4422, 0.3715

Protanomaly

20.9099, 0.3958, 0.3897

Deuteranomaly

20.8788, 0.4182, 0.3879

Tritanomaly

20.8218, 0.4170, 0.3367

Monochromacy



Original Color

20.9760, 0.4422, 0.3715

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4880, 0.3558, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9760, 0.4422, 0.3715 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(176, 110, 81)` looks like.

```
.text, #text, p{  
    color:rgb(176, 110, 81)  
}
```

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(176, 110, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 110, 81) }
```

Border

The CSS property to change the border of an element to Yxy 20.9760, 0.4422, 0.3715 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(176, 110, 81) }
```

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

```
.border{ border-color:rgb(176, 110, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 110, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 110, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 110, 81);  
box-shadow:4px 4px 4px 4px rgb(176, 110,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9760, 0.4422, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 110, 81) }
```

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

```
.background{ background-color: rgb(176,  
110, 81) }
```

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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