

Converting Colors

$Y_{xy}(22.2323, 0.4030, 0.3473)$

Have a look what the booklet for
Yxy(22.2323, 0.4030, 0.3473)
contains.

Yxy(22.2609, 0.4021, 0.3475)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2609, 0.4021, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	AC7468
RGB	172, 116, 104
RGB Percent	67%, 45%, 41%
CMY	0.3255, 0.5451, 0.5921
CMYK	0.00, 0.33, 0.40, 0.33
HSL	11°, 29%, 54%
HSV	11°, 40%, 67%
XYZ	25.7586, 22.2609, 16.0407
YIQ	131.3760, 37.2280, 8.1400

Conversions

Conversions Part 2

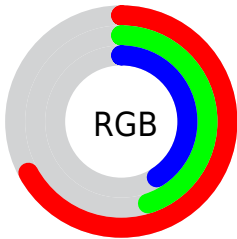
Format	Color
R_{YB}	172, 119, 104
Decimal	11301992
CIE Lab	54.30, 20.54, 15.58
CIE LCh	54, 25.780, 37.188
Yxy	22.2609, 0.4021, 0.3475
Android (android.graphics.Color)	4289492072 (0xFFAC7468)
YUV	131.3760, -13.4964, 35.6272
Hunter-Lab	47.1815, 14.8840, 12.8697

Details

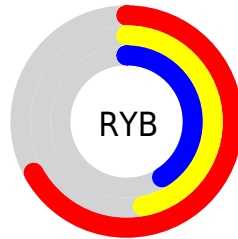
The Yxy color **22.2609, 0.4021, 0.3475** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.0717, 0.2561, 0.3092**, and the grayscale version is **22.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0298, 0.3824, 0.3443**, and **8.1613, 0.4388, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **18.9261, 0.4362, 0.3519**, and if you desaturate by 10%, it is **26.1674, 0.3730, 0.3427**.

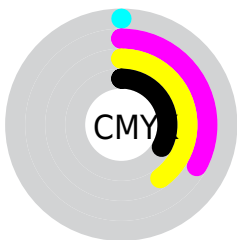
Distribution



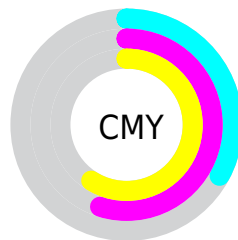
- Red (67%)
- Green (45%)
- Blue (41%)



- Red (67%)
- Yellow (47%)
- Blue (41%)



- Cyan (0%)
- Magenta (33%)
- Yellow (40%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2609, 0.4021, 0.3475 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 22.2609, 0.4021, 0.3475 by changing the saturation by 10% instead.


 22.2609, 0.4021,
0.3475


 22.2609, 0.4021,
0.3475


263.9057, 0.3515,
0.3387

 14.0487, 0.4171,
0.3493


 47.1768, 0.3821,
0.3445

 8.1546, 0.4378,
0.3511


 64.6494, 0.3751,
0.3433

 4.1940, 0.4684,
0.3524

 85.9775, 0.3693,
0.3423

 1.7827, 0.5207,
0.3535

 111.5456, 0.3646,
0.3414

 0.4763, 0.6682,
0.3318

141.7381, 0.3605,
0.3406

 0.0000, 0.0000,
0.0000

176.9394, 0.3571,

0.3399

217.5338, 0.3541,
0.3392

■ 22.2609, 0.4021,
0.3475

■ 22.2609, 0.4021,
0.3475

■ 18.9261, 0.4362,
0.3519

■ 26.1674, 0.3730,
0.3427

■ 16.1328, 0.4750,
0.3553

■ 30.6675, 0.3487,
0.3378

■ 13.8532, 0.5166,
0.3568


■ 35.7857, 0.3286,
0.3332

■ 12.0553, 0.5577,
0.3557


■ 41.5443, 0.3120,
0.3288

■ 10.7036, 0.5932,
0.3514

■ 47.9645, 0.2983,
0.3248


 9.7522, 0.6199,
0.3453

 55.0665, 0.2869,
0.3211

 9.7156, 0.6211,
0.3451

 62.8695, 0.2774,
0.3178

 71.3922, 0.2695,
0.3148

 80.4037, 0.2646,
0.3162

Harmonies

Analogous

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



22.2609, 0.3768, 0.3109



22.2609, 0.4021, 0.3475



22.2609, 0.4009, 0.3826

Triad

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



22.2609, 0.4021, 0.3475



22.2609, 0.2878, 0.3868



22.2609, 0.2506, 0.2554

Complementary

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



22.2609, 0.4021, 0.3475



31.0717, 0.2561, 0.3092

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.



22.2609, 0.2309, 0.2686



22.2609, 0.4021, 0.3475



22.2609, 0.2509, 0.3439

Square

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



22.2609, 0.4021, 0.3475



22.2609, 0.3332, 0.4107



22.2609, 0.2309, 0.2998



22.2609, 0.2872, 0.2600

Rectangle

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



22.2609, 0.4021, 0.3475



22.2609, 0.3858, 0.4009



22.2609, 0.2309, 0.2998



22.2609, 0.2420, 0.2578

Sweetspot

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



22.2620, 0.4021, 0.3475



62.3077, 0.3336, 0.3344



21.2371, 0.3307, 0.2476



13.2846, 0.3361, 0.3350



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.



22.2620, 0.4021, 0.3475



35.2814, 0.4301, 0.3512



31.3741, 0.3825, 0.3959



8.2351, 0.3282, 0.3331



7.2887, 0.6196, 0.3463



0.2694, 0.5686, 0.3867

Inverse Universe

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



31.0717, 0.2561, 0.3092



53.3723, 0.2460, 0.3044



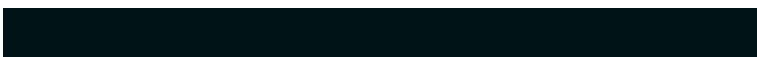
21.0192, 0.2473, 0.2511



8.8283, 0.2986, 0.3249



16.6150, 0.2091, 0.2727



0.5242, 0.2143, 0.2915

Previews

White Background



This preview shows how the Yxy color 22.2609, 0.4021, 0.3475 looks on a white background.

Color Contrast Check

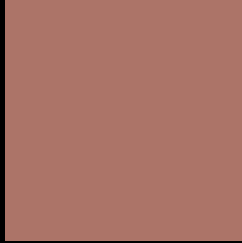
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2609, 0.4021, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

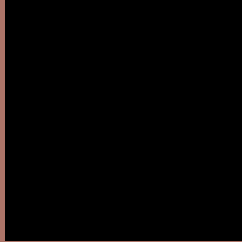
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2609, 0.4021, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 22.2609, 0.4021, 0.3475.



This preview shows how white text looks on a background with the Yxy color 22.2609, 0.4021, 0.3475.

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

22.2609, 0.4021, 0.3475

Protanopia

22.4313, 0.3422, 0.3627

Deuteranopia

22.3019, 0.3739, 0.3676



Tritanopia

22.2141, 0.3819, 0.3157

Trichromacy



Original Color

22.2609, 0.4021, 0.3475

Protanomaly

22.2340, 0.3640, 0.3578

Deuteranomaly

22.2693, 0.3832, 0.3600

Tritanomaly

22.1567, 0.3897, 0.3277

Monochromacy



Original Color

22.2609, 0.4021, 0.3475

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.4132, 0.3429, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2609, 0.4021, 0.3475 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, 116, 104)` looks like.

```
.text, #text, p{  
    color:rgb(172, 116, 104)  
}
```

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, 116, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 116, 104) }
```

Border

The CSS property to change the border of an element to Yxy 22.2609, 0.4021, 0.3475 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, 116, 104) }
```

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

```
.border{ border-color:rgb(172, 116, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 116, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 116, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 116, 104);  
box-shadow:4px 4px 4px 4px rgb(172, 116,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2609, 0.4021, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 116, 104) }
```

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

```
.background{ background-color: rgb(172,  
116, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor