

Converting Colors

$Y_{xy}(30.0975, 0.3695, 0.3775)$

Have a look what the booklet for
Yxy(30.0975, 0.3695, 0.3775)
contains.

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Color

Yxy(30.0975, 0.3695, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	A89272
RGB	168, 146, 114
RGB Percent	66%, 57%, 45%
CMY	0.3413, 0.4274, 0.5530
CMYK	0.00, 0.13, 0.32, 0.34
HSL	36°, 24%, 55%
HSV	36°, 32%, 66%
XYZ	29.4597, 30.0975, 20.1713
YIQ	148.9300, 23.3840, -5.2880

Conversions

Conversions Part 2

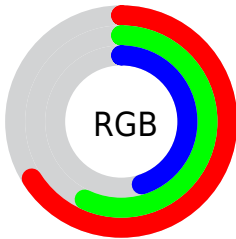
Format	Color
RYB	151, 168, 114
Decimal	11047538
CIELab	61.74, 3.30, 20.02
CIELCh	62, 20.288, 80.646
Yxy	30.0975, 0.3695, 0.3775
Android (android.graphics.Color)	4289237618 (0xFFA89272)
YUV	148.9300, -17.2205, 16.7244
Hunter-Lab	54.8612, -0.1551, 16.6031

Details

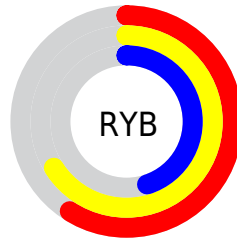
The Yxy color **30.0975, 0.3695, 0.3775** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.9950, 0.2613, 0.2750**, and the grayscale version is **30.0895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9090, 0.3581, 0.3681**, and **12.4039, 0.3879, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **27.7068, 0.3909, 0.3929**, and if you desaturate by 10%, it is **32.6871, 0.3498, 0.3619**.

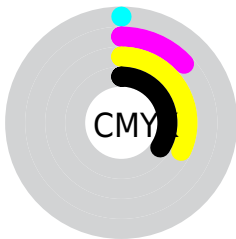
Distribution



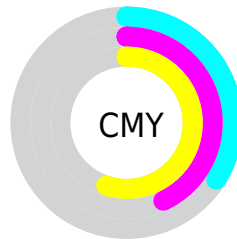
- Red (66%)
- Green (57%)
- Blue (45%)



- Red (59%)
- Yellow (66%)
- Blue (45%)



- Cyan (0%)
- Magenta (13%)
- Yellow (32%)
- Black (34%)



- Cyan (34%)
- Magenta (43%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0975, 0.3695, 0.3775 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 30.0975, 0.3695, 0.3775 by changing the saturation by 10% instead.


 30.0975, 0.3695,
0.3775


 30.0975, 0.3695,
0.3775


302.3587, 0.3391,
0.3519


 19.9126, 0.3777,
0.3843


 59.8163, 0.3580,
0.3679


 12.3315, 0.3887,
0.3931

 80.1191, 0.3538,
0.3644

 6.9699, 0.4038,
0.4051


 104.5632, 0.3503,
0.3615

 3.4433, 0.4258,
0.4218

 133.5331, 0.3474,
0.3590

 1.3673, 0.5049,
0.4896

167.4132, 0.3448,
0.3568

 0.1924, 0.5778,
0.4222

206.5879, 0.3427,

 0.0000, 0.0000,

0.3550

0.0000

251.4416, 0.3408,
0.3534

■ 30.0975, 0.3695,
0.3775

■ 30.0975, 0.3695,
0.3775

■ 27.7068, 0.3909,
0.3929

■ 32.6871, 0.3498,
0.3619

■ 25.5048, 0.4136,
0.4072

■ 35.4772, 0.3319,
0.3466

■ 23.4865, 0.4369,
0.4196

■ 38.4744, 0.3159,
0.3320

■ 21.6448, 0.4598,
0.4288

■ 41.6841, 0.3017,
0.3183

■ 19.9721, 0.4812,
0.4338

■ 45.1109, 0.2891,
0.3055

■ 18.4594, 0.4998,
0.4337

■ 48.7598, 0.2780,
0.2937

■ 17.3701, 0.5128,
0.4310

■ 52.6353, 0.2682,
0.2829

■ 56.7417, 0.2595,
0.2729

■ 60.4115, 0.2570,
0.2742

Harmonies

Analogous

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



30.0975, 0.3782, 0.3554



30.0975, 0.3695, 0.3775



30.0975, 0.3454, 0.3877

Triad

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



30.0975, 0.3695, 0.3775



30.0975, 0.2599, 0.3257



30.0975, 0.3094, 0.2838

Complementary

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



30.0975, 0.3695, 0.3775



23.9950, 0.2613, 0.2750

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.



30.0975, 0.2788, 0.2753



30.0975, 0.3695, 0.3775



30.0975, 0.2513, 0.2974

Square

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



30.0975, 0.3695, 0.3775



30.0975, 0.2821, 0.3571



30.0975, 0.2580, 0.2797



30.0975, 0.3425, 0.3028

Rectangle

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



30.0975, 0.3695, 0.3775



30.0975, 0.3243, 0.3850



30.0975, 0.2580, 0.2797



30.0975, 0.2985, 0.2796

Sweetspot

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



30.0989, 0.3695, 0.3775



65.4361, 0.3286, 0.3437



22.1444, 0.3546, 0.2948



14.1070, 0.3309, 0.3457



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.0989, 0.3695, 0.3775



51.3164, 0.3856, 0.3892



37.0469, 0.3556, 0.4087



8.2543, 0.3272, 0.3424



13.2242, 0.5116, 0.4320



0.4184, 0.4740, 0.4618

Inverse Universe

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



23.9950, 0.2613, 0.2750



38.3922, 0.2485, 0.2597



18.7428, 0.2612, 0.2375



7.7828, 0.2986, 0.3153



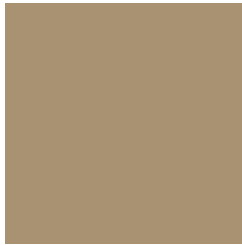
5.3829, 0.1698, 0.1313



0.2321, 0.1886, 0.1991

Previews

White Background



This preview shows how the Yxy color 30.0975, 0.3695, 0.3775 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0975, 0.3695, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

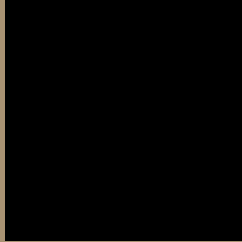
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0975, 0.3695, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 30.0975, 0.3695, 0.3775.



This preview shows how white text looks on a background with the Yxy color 30.0975, 0.3695, 0.3775.

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

30.0975, 0.3695, 0.3775

Protanopia

30.1036, 0.3571, 0.3821

Deuteranopia

29.9967, 0.3778, 0.3704



Tritanopia

30.0874, 0.3351, 0.3131

Trichromacy



Original Color

30.0975, 0.3695, 0.3775

Protanomaly

30.0990, 0.3609, 0.3800

Deuteranomaly

29.9550, 0.3739, 0.3723

Tritanomaly

30.1378, 0.3484, 0.3365

Monochromacy



Original Color

30.0975, 0.3695, 0.3775

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0253, 0.3329, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0975, 0.3695, 0.3775 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(168, 146, 114)` looks like.

```
.text, #text, p{  
    color:rgb(168, 146, 114)  
}
```

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(168, 146, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 146, 114) }
```

Border

The CSS property to change the border of an element to Yxy 30.0975, 0.3695, 0.3775 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(168, 146, 114) }
```

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

```
.border{ border-color:rgb(168, 146, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 146, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 146, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 146, 114);  
box-shadow:4px 4px 4px 4px rgb(168, 146,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0975, 0.3695, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 146, 114) }
```

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

```
.background{ background-color: rgb(168,  
146, 114) }
```

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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