

Converting Colors

$Y_{xy}(30.3315, 0.4073, 0.3624)$

Have a look what the booklet for
Yxy(30.3315, 0.4073, 0.3624)
contains.

Yxy(30.2475, 0.4064, 0.3618)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.2475, 0.4064, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	C28870
RGB	194, 136, 112
RGB Percent	76%, 53%, 44%
CMY	0.2392, 0.4666, 0.5607
CMYK	0.00, 0.30, 0.42, 0.24
HSL	18°, 40%, 60%
HSV	18°, 42%, 76%
XYZ	33.9762, 30.2475, 19.3791
YIQ	150.6060, 42.2720, 4.8320

Conversions

Conversions Part 2

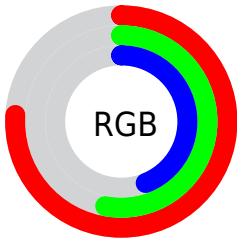
Format	Color
R _Y B	194, 146, 112
Decimal	12748912
CIE Lab	61.87, 19.22, 21.75
CIE LCh	62, 29.027, 48.540
Yxy	30.2475, 0.4064, 0.3618
Android (android.graphics.Color)	4290938992 (0xFFC28870)
YUV	150.6060, -19.0328, 38.0565
Hunter-Lab	54.9977, 14.0267, 17.6068

Details

The Yxy color **30.2475, 0.4064, 0.3618** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.0881, 0.2498, 0.2928**, and the grayscale version is **30.8406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2027, 0.3867, 0.3567**, and **12.4290, 0.4381, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **26.2414, 0.4386, 0.3689**, and if you desaturate by 10%, it is **34.8444, 0.3782, 0.3539**.

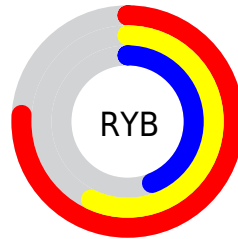
Distribution



Red (76%)

Green (53%)

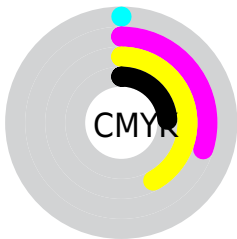
Blue (44%)



Red (76%)

Yellow (57%)

Blue (44%)

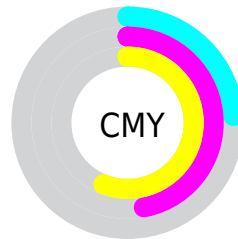


Cyan (0%)

Magenta (30%)

Yellow (42%)

Black (24%)



Cyan (24%)

Magenta (47%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2475, 0.4064, 0.3618 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 30.2475, 0.4064, 0.3618 by changing the saturation by 10% instead.


 30.2475, 0.4064,
0.3618


 30.2475, 0.4064,
0.3618


303.0564, 0.3558,
0.3461


 20.0265, 0.4202,
0.3653


 60.0534, 0.3872,
0.3564


 12.4143, 0.4385,
0.3693


 80.4070, 0.3802,
0.3542

 7.0265, 0.4639,
0.3736


 104.9071, 0.3744,
0.3524

 3.4787, 0.5008,
0.3773

 133.9379, 0.3695,
0.3508

 1.3865, 0.5974,
0.4026

167.8838, 0.3654,
0.3494

 0.2067, 0.7630,
0.2370

207.1293, 0.3618,

 0.0000, 0.0000,

0.3482

0.0000

252.0587, 0.3586,
0.3471

■ 30.2475, 0.4064,
0.3618

■ 30.2475, 0.4064,
0.3618

■ 26.2414, 0.4386,
0.3689

■ 34.8444, 0.3782,
0.3539

■ 22.7972, 0.4742,
0.3744

■ 40.0508, 0.3540,
0.3458

■ 19.8895, 0.5115,
0.3770

■ 45.8902, 0.3335,
0.3380

■ 17.4897, 0.5475,
0.3756

■ 52.3832, 0.3162,
0.3306


■ 15.5654, 0.5787,
0.3697

■ 59.5495, 0.3017,
0.3237

 14.3736, 0.5985,
0.3630

 67.4082, 0.2895,
0.3175

 75.9773, 0.2791,
0.3117

 84.4632, 0.2765,
0.3191

 90.2086, 0.2773,
0.3289

Harmonies

Analogous

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



30.2475, 0.3905, 0.3243



30.2475, 0.4064, 0.3618



30.2475, 0.3949, 0.3947

Triad

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



30.2475, 0.4064, 0.3618



30.2475, 0.2716, 0.3727



30.2475, 0.2619, 0.2541

Complementary

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



30.2475, 0.4064, 0.3618



36.0881, 0.2498, 0.2928

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.



30.2475, 0.2350, 0.2604



30.2475, 0.4064, 0.3618



30.2475, 0.2399, 0.3263

Square

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



30.2475, 0.4064, 0.3618



30.2475, 0.3157, 0.4061



30.2475, 0.2272, 0.2853



30.2475, 0.3041, 0.2650

Rectangle

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



30.2475, 0.4064, 0.3618



30.2475, 0.3742, 0.4093



30.2475, 0.2272, 0.2853



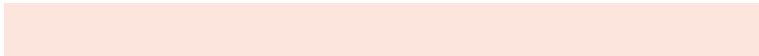
30.2475, 0.2510, 0.2541

Sweetspot

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



30.2490, 0.4064, 0.3618



82.0977, 0.3353, 0.3387



25.9902, 0.3437, 0.2525



17.4403, 0.3397, 0.3405



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.2490, 0.4064, 0.3618



47.8525, 0.4371, 0.3686



43.7799, 0.3838, 0.4124



10.5476, 0.3282, 0.3358



9.5757, 0.5961, 0.3649



0.5365, 0.5509, 0.4008

Inverse Universe

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



36.0881, 0.2498, 0.2928



59.8001, 0.2373, 0.2830



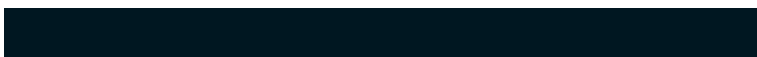
23.2449, 0.2393, 0.2282



10.9143, 0.2984, 0.3221



14.5112, 0.1977, 0.2318



0.7413, 0.2045, 0.2561

Previews

White Background



This preview shows how the Yxy color 30.2475, 0.4064, 0.3618 looks on a white background.

Color Contrast Check

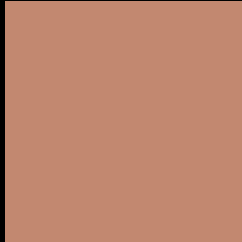
Large Text (above 18pt) WCAG AA × Fail

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 30.2475, 0.4064, 0.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

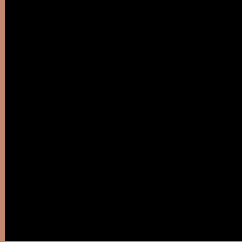
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2475, 0.4064, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 30.2475, 0.4064, 0.3618.



This preview shows how white text looks on a background with the Yxy color 30.2475, 0.4064, 0.3618.

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

30.2475, 0.4064, 0.3618

Protanopia

30.4916, 0.3538, 0.3788

Deuteranopia

30.4413, 0.3838, 0.3772



Tritanopia

30.3258, 0.3766, 0.3158

Trichromacy



Original Color

30.2475, 0.4064, 0.3618

Protanomaly

30.2824, 0.3724, 0.3723

Deuteranomaly

30.2647, 0.3922, 0.3719

Tritanomaly

30.1495, 0.3881, 0.3319

Monochromacy



Original Color

30.2475, 0.4064, 0.3618

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.5794, 0.3443, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2475, 0.4064, 0.3618 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(194, 136, 112)` looks like.

```
.text, #text, p{  
    color:rgb(194, 136, 112)  
}
```

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(194, 136, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 136, 112) }
```

Border

The CSS property to change the border of an element to Yxy 30.2475, 0.4064, 0.3618 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(194, 136, 112) }
```

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

```
.border{ border-color:rgb(194, 136, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 136, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 136, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 136, 112);  
box-shadow:4px 4px 4px 4px rgb(194, 136,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2475, 0.4064, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 136, 112) }
```

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

```
.background{ background-color: rgb(194,  
136, 112) }
```

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