

Converting Colors

$Y_{xy}(32.8040, 0.3972, 0.3756)$

Have a look what the booklet for
Yxy(32.8040, 0.3972, 0.3756)
contains.

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Color

Yxy(32.8040, 0.3972, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	BF9270
RGB	191, 146, 112
RGB Percent	75%, 57%, 44%
CMY	0.2510, 0.4274, 0.5606
CMYK	0.00, 0.24, 0.41, 0.25
HSL	26°, 38%, 59%
HSV	26°, 41%, 75%
XYZ	34.6905, 32.8040, 19.8431
YIQ	155.5790, 37.7340, -1.0340

Conversions

Conversions Part 2

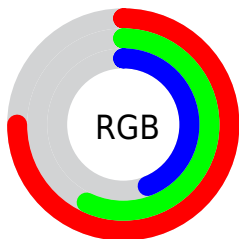
Format	Color
RYB	191, 172, 112
Decimal	12554864
CIELab	64.00, 12.49, 24.54
CIELCh	64, 27.537, 63.034
Yxy	32.8040, 0.3972, 0.3756
Android (android.graphics.Color)	4290744944 (0xFFBF9270)
YUV	155.5790, -21.4844, 31.0642
Hunter-Lab	57.2748, 7.8840, 19.5511

Details

The Yxy color **32.8040, 0.3972, 0.3756** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.3331, 0.2484, 0.2765**, and the grayscale version is **33.1352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1286, 0.3805, 0.3674**, and **13.7888, 0.4253, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **29.2267, 0.4248, 0.3863**, and if you desaturate by 10%, it is **36.7942, 0.3723, 0.3641**.

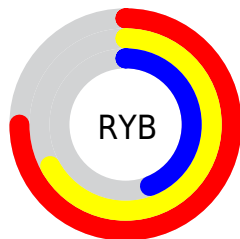
Distribution



Red (75%)

Green (57%)

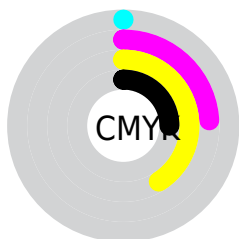
Blue (44%)



Red (75%)

Yellow (67%)

Blue (44%)

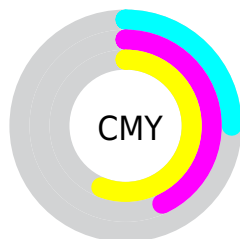


Cyan (0%)

Magenta (24%)

Yellow (41%)

Black (25%)



Cyan (25%)


Magenta (43%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8040, 0.3972, 0.3756 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 32.8040, 0.3972, 0.3756 by changing the saturation by 10% instead.


 32.8040, 0.3972,
0.3756


 32.8040, 0.3972,
0.3756


314.7656, 0.3524,
0.3524


 21.9763, 0.4091,
0.3811


 64.0694, 0.3804,
0.3673


 13.8395, 0.4247,
0.3879


 85.2759, 0.3742,
0.3642

 8.0091, 0.4459,
0.3962


 110.7109, 0.3691,
0.3615

 4.1008, 0.4759,
0.4060

 140.7586, 0.3647,
0.3592

 1.7301, 0.5562,
0.4438

175.8036, 0.3610,
0.3571

 0.4430, 0.6210,
0.3790

216.2301, 0.3577,

 0.0000, 0.0000,

0.3554

0.0000

262.4227, 0.3549,
0.3538

■ 32.8040, 0.3972,
0.3756

■ 32.8040, 0.3972,
0.3756

■ 29.2267, 0.4248,
0.3863

■ 36.7942, 0.3723,
0.3641

■ 26.0429, 0.4546,
0.3952

■ 41.2063, 0.3504,
0.3524

■ 23.2385, 0.4852,
0.4011


■ 46.0550, 0.3313,
0.3411


■ 20.7964, 0.5150,
0.4027


■ 51.3527, 0.3148,
0.3304

■ 18.6978, 0.5415,
0.3991

■ 57.1113, 0.3005,
0.3204

 17.1350, 0.5614,
0.3924

 63.3422, 0.2882,
0.3112

 70.0564, 0.2776,
0.3027

 76.6147, 0.2736,
0.3051

 82.9708, 0.2747,
0.3171

Harmonies

Analogous

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



32.8040, 0.3947, 0.3419



32.8040, 0.3972, 0.3756



32.8040, 0.3758, 0.4004

Triad

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



32.8040, 0.3972, 0.3756



32.8040, 0.2586, 0.3491



32.8040, 0.2833, 0.2623

Complementary

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



32.8040, 0.3972, 0.3756



31.3331, 0.2484, 0.2765

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.



32.8040, 0.2506, 0.2603



32.8040, 0.3972, 0.3756



32.8040, 0.2371, 0.3071

Square

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



32.8040, 0.3972, 0.3756



32.8040, 0.2951, 0.3875



32.8040, 0.2344, 0.2754



32.8040, 0.3263, 0.2793

Rectangle

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



32.8040, 0.3972, 0.3756



32.8040, 0.3518, 0.4071



32.8040, 0.2344, 0.2754



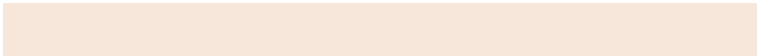
32.8040, 0.2709, 0.2599

Sweetspot

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



32.8056, 0.3972, 0.3756



81.7192, 0.3328, 0.3420



25.1445, 0.3557, 0.2672



17.6848, 0.3352, 0.3435



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



32.8056, 0.3972, 0.3756



52.6804, 0.4232, 0.3858



46.7013, 0.3768, 0.4226



10.1931, 0.3278, 0.3389



11.4147, 0.5591, 0.3943



0.5772, 0.5175, 0.4273

Inverse Universe

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



31.3331, 0.2484, 0.2765



49.6477, 0.2343, 0.2619



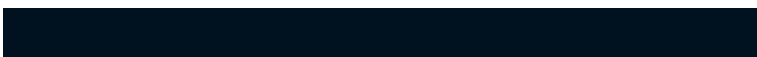
20.3114, 0.2384, 0.2139



10.1033, 0.2984, 0.3189



9.7996, 0.1843, 0.1835



0.5114, 0.1950, 0.2219

Previews

White Background



This preview shows how the Yxy color 32.8040, 0.3972, 0.3756 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 32.8040, 0.3972, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

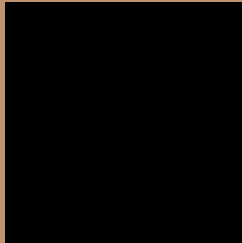
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8040, 0.3972, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 32.8040, 0.3972, 0.3756.



This preview shows how white text looks on a background with the Yxy color 32.8040, 0.3972, 0.3756.

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

32.8040, 0.3972, 0.3756

Protanopia

32.8106, 0.3615, 0.3876

Deuteranopia

32.8329, 0.3889, 0.3825



Tritanopia

32.8862, 0.3612, 0.3158

Trichromacy



Original Color

32.8040, 0.3972, 0.3756

Protanomaly

32.8082, 0.3735, 0.3829

Deuteranomaly

32.8923, 0.3928, 0.3805

Tritanomaly

32.9204, 0.3749, 0.3373

Monochromacy



Original Color

32.8040, 0.3972, 0.3756

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7849, 0.3419, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8040, 0.3972, 0.3756 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(191, 146, 112)` looks like.

```
.text, #text, p{  
    color:rgb(191, 146, 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(191, 146, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 146, 112) }
```

Border

The CSS property to change the border of an element to Yxy 32.8040, 0.3972, 0.3756 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(191, 146, 112) }
```

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

```
.border{ border-color:rgb(191, 146, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 146, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 146, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 146, 112);  
box-shadow:4px 4px 4px 4px rgb(191, 146,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8040, 0.3972, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 146, 112) }
```

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

```
.background{ background-color: rgb(191,  
146, 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](#).

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