

Converting Colors

$Y_{xy}(32.2404, 0.4105, 0.4017)$

Have a look what the booklet for
Yxy(32.2404, 0.4105, 0.4017)
contains.

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Color

Yxy(32.2404, 0.4105, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	BB935E
RGB	187, 147, 94
RGB Percent	73%, 58%, 37%
CMY	0.2667, 0.4235, 0.6314
CMYK	0.00, 0.21, 0.50, 0.27
HSL	34°, 41%, 55%
HSV	34°, 50%, 73%
XYZ	32.9467, 32.2404, 15.0728
YIQ	152.9180, 40.8530, -8.0030

Conversions

Conversions Part 2

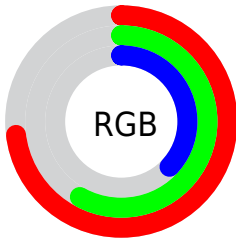
Format	Color
RYB	164, 187, 94
Decimal	12292958
CIELab	63.54, 8.38, 33.68
CIELCh	64, 34.707, 76.023
Yxy	32.2404, 0.4105, 0.4017
Android (android.graphics.Color)	4290483038 (0xFFBB935E)
YUV	152.9180, -29.0466, 29.8899
Hunter-Lab	56.7806, 4.2077, 24.0075

Details

The Yxy color **32.2404, 0.4105, 0.4017** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **23.0108, 0.2317, 0.2412**, and the grayscale version is **31.9334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2301, 0.3917, 0.3891**, and **13.5719, 0.4393, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **29.5320, 0.4347, 0.4142**, and if you desaturate by 10%, it is **35.2080, 0.3872, 0.3875**.

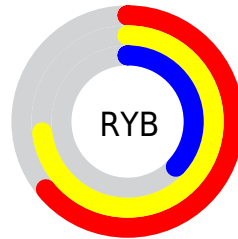
Distribution



Red (73%)

Green (58%)

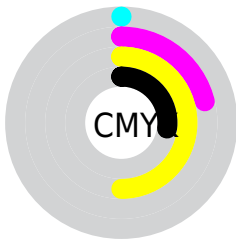
Blue (37%)



Red (64%)

Yellow (73%)

Blue (37%)

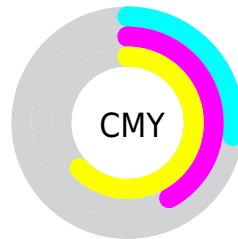


Cyan (0%)

Magenta (21%)

Yellow (50%)

Black (27%)



Cyan (27%)


Magenta (42%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2404, 0.4105, 0.4017 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 32.2404, 0.4105, 0.4017 by changing the saturation by 10% instead.


 32.2404, 0.4105,
0.4017


 32.2404, 0.4105,
0.4017


312.2129, 0.3593,
0.3653


 21.5452, 0.4236,
0.4103


 63.1878, 0.3915,
0.3887


 13.5231, 0.4403,
0.4207


 84.2087, 0.3845,
0.3837

 7.7897, 0.4621,
0.4331


 109.4404, 0.3786,
0.3795

 3.9607, 0.4945,
0.4505

 139.2671, 0.3736,
0.3758

 1.6516, 0.5351,
0.4649

174.0733, 0.3692,
0.3727

 0.3920, 0.5955,
0.4045

214.2434, 0.3655,

 0.0000, 0.0000,

0.3699

0.0000

260.1618, 0.3622,
0.3674

■ 32.2404, 0.4105,
0.4017

■ 32.2404, 0.4105,
0.4017

■ 29.5320, 0.4347,
0.4142

■ 35.2080, 0.3872,
0.3875

■ 27.0687, 0.4590,
0.4237

■ 38.4390, 0.3656,
0.3724

■ 24.8414, 0.4820,
0.4290

■ 41.9432, 0.3458,
0.3573

■ 22.8386, 0.5025,
0.4294

■ 45.7283, 0.3281,
0.3426

■ 21.0406, 0.5199,
0.4251

■ 49.8019, 0.3123,
0.3286

■ 20.9958, 0.5204,
0.4250

■ 54.1710, 0.2984,
0.3156

■ 58.8424, 0.2862,
0.3034

■ 63.8226, 0.2754,
0.2923

■ 68.6397, 0.2698,
0.2895

Harmonies

Analogous

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



32.2404, 0.4221, 0.3622



32.2404, 0.4105, 0.4017



32.2404, 0.3723, 0.4265

Triad

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



32.2404, 0.4105, 0.4017



32.2404, 0.2306, 0.3298



32.2404, 0.2976, 0.2536

Complementary

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



32.2404, 0.4105, 0.4017



23.0108, 0.2317, 0.2412

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.



32.2404, 0.2503, 0.2424



32.2404, 0.4105, 0.4017



32.2404, 0.2144, 0.2807

Square

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



32.2404, 0.4105, 0.4017



32.2404, 0.2683, 0.3849



32.2404, 0.2214, 0.2508



32.2404, 0.3537, 0.2809

Rectangle

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



32.2404, 0.4105, 0.4017



32.2404, 0.3381, 0.4276



32.2404, 0.2214, 0.2508



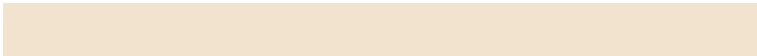
32.2404, 0.2802, 0.2479

Sweetspot

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



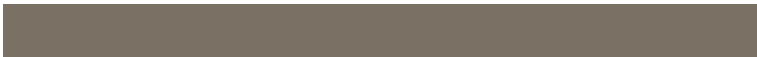
32.2419, 0.4105, 0.4017



78.1075, 0.3376, 0.3506



20.2970, 0.3885, 0.2736



16.8881, 0.3414, 0.3538



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



32.2419, 0.4105, 0.4017



52.3266, 0.4378, 0.4155



46.1467, 0.3789, 0.4507



10.4147, 0.3274, 0.3421



14.6124, 0.5188, 0.4262



0.6999, 0.4889, 0.4500

Inverse Universe

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



23.0108, 0.2317, 0.2412



33.8940, 0.2140, 0.2168



14.3109, 0.2242, 0.1759



9.8818, 0.2984, 0.3156



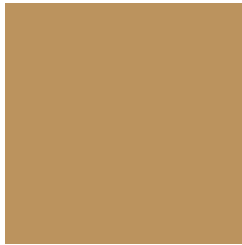
6.6035, 0.1715, 0.1373



0.3887, 0.1848, 0.1851

Previews

White Background



This preview shows how the Yxy color 32.2404, 0.4105, 0.4017 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 32.2404, 0.4105, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

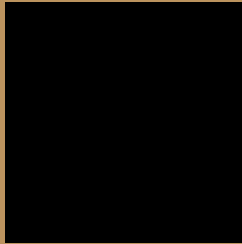
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2404, 0.4105, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 32.2404, 0.4105, 0.4017.



This preview shows how white text looks on a background with the Yxy color 32.2404, 0.4105, 0.4017.

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

32.2404, 0.4105, 0.4017

Protanopia

32.2991, 0.3822, 0.4134

Deuteranopia

32.2404, 0.4105, 0.4017



Tritanopia

32.1970, 0.3582, 0.3142

Trichromacy



Original Color

32.2404, 0.4105, 0.4017

Protanomaly

32.0917, 0.3927, 0.4084

Deuteranomaly

32.2404, 0.4105, 0.4017

Tritanomaly

32.2038, 0.3782, 0.3471

Monochromacy



Original Color

32.2404, 0.4105, 0.4017

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.7985, 0.3459, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2404, 0.4105, 0.4017 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(187, 147, 94)` looks like.

```
.text, #text, p{  
    color:rgb(187, 147, 94)  
}
```

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(187, 147, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 147, 94) }
```

Border

The CSS property to change the border of an element to Yxy 32.2404, 0.4105, 0.4017 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(187, 147, 94) }
```

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

```
.border{ border-color:rgb(187, 147, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 147, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 147, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 147, 94);  
box-shadow:4px 4px 4px 4px rgb(187, 147,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2404, 0.4105, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 147, 94) }
```

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

```
.background{ background-color: rgb(187,  
147, 94) }
```

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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