

Converting Colors

$Y_{xy}(32.2395, 0.3956, 0.3747)$

Have a look what the booklet for
Yxy(32.2395, 0.3956, 0.3747)
contains.

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Color

Yxy(32.2395, 0.3956, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	BD9170
RGB	189, 145, 112
RGB Percent	74%, 57%, 44%
CMY	0.2588, 0.4314, 0.5607
CMYK	0.00, 0.23, 0.41, 0.26
HSL	26°, 37%, 59%
HSV	26°, 41%, 74%
XYZ	34.0378, 32.2395, 19.7636
YIQ	154.3940, 36.8170, -0.9350

Conversions

Conversions Part 2

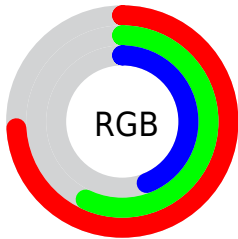
Format	Color
R_{YB}	189, 170, 112
Decimal	12423536
CIE Lab	63.54, 12.22, 23.90
CIE LCh	64, 26.842, 62.916
Yxy	32.2395, 0.3956, 0.3747
Android (android.graphics.Color)	4290613616 (0xFFBD9170)
YUV	154.3940, -20.9002, 30.3495
Hunter-Lab	56.7798, 7.6405, 19.1086

Details

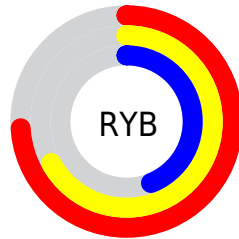
The Yxy color **32.2395, 0.3956, 0.3747** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.9043, 0.2494, 0.2776**, and the grayscale version is **32.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3013, 0.3792, 0.3666**, and **13.6229, 0.4222, 0.3874** is the 20% darker color. If you saturate the color by 10%, you get **28.7171, 0.4231, 0.3854**, and if you desaturate by 10%, it is **36.1673, 0.3709, 0.3632**.

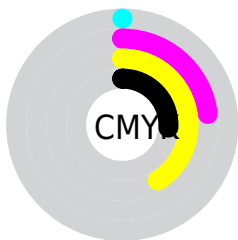
Distribution



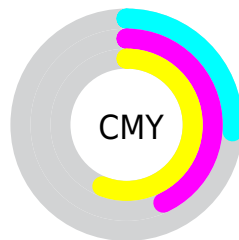
- Red (74%)
- Green (57%)
- Blue (44%)



- Red (74%)
- Yellow (67%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (41%)
- Black (26%)




- Cyan (26%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2395, 0.3956, 0.3747 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 32.2395, 0.3956, 0.3747 by changing the saturation by 10% instead.


 32.2395, 0.3956,
0.3747


 32.2395, 0.3956,
0.3747


312.2088, 0.3515,
0.3519


 21.5445, 0.4074,
0.3802


 63.1864, 0.3790,
0.3665


 13.5226, 0.4228,
0.3869


 84.2070, 0.3729,
0.3634

 7.7894, 0.4440,
0.3953


 109.4383, 0.3679,
0.3607

 3.9605, 0.4740,
0.4052

 139.2647, 0.3636,
0.3585

 1.6515, 0.5558,
0.4442

174.0706, 0.3599,
0.3565

 0.3919, 0.6312,
0.3688

214.2403, 0.3567,


 0.0000, 0.0000,


0.3548


0.0000


260.1582, 0.3540,
0.3532

 32.2395, 0.3956,
0.3747


 32.2395, 0.3956,
0.3747


 28.7171, 0.4231,
0.3854


 36.1673, 0.3709,
0.3632


 25.5812, 0.4528,
0.3945


 40.5094, 0.3491,
0.3516


 22.8180, 0.4835,
0.4005

 45.2801, 0.3302,
0.3404

 20.4109, 0.5134,
0.4024


 50.4915, 0.3138,
0.3298

 18.3415, 0.5403,
0.3991


 56.1552, 0.2997,
0.3199

 16.7004, 0.5618,
0.3921

 62.2824, 0.2876,
0.3107

 68.8839, 0.2771,
0.3024

 75.4290, 0.2723,
0.3032

 81.6789, 0.2734,
0.3152

Harmonies

Analogous

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



32.2395, 0.3930, 0.3416



32.2395, 0.3956, 0.3747



32.2395, 0.3747, 0.3990

Triad

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



32.2395, 0.3956, 0.3747



32.2395, 0.2598, 0.3489



32.2395, 0.2838, 0.2635

Complementary

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



32.2395, 0.3956, 0.3747



30.9043, 0.2494, 0.2776

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.



32.2395, 0.2517, 0.2616



32.2395, 0.3956, 0.3747



32.2395, 0.2385, 0.3077

Square

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



32.2395, 0.3956, 0.3747



32.2395, 0.2957, 0.3864



32.2395, 0.2358, 0.2766



32.2395, 0.3259, 0.2801

Rectangle

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



32.2395, 0.3956, 0.3747



32.2395, 0.3513, 0.4055



32.2395, 0.2358, 0.2766



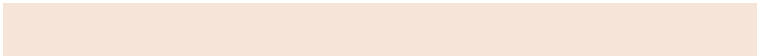
32.2395, 0.2715, 0.2611

Sweetspot

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



32.2410, 0.3956, 0.3747



79.7968, 0.3328, 0.3420



24.8438, 0.3548, 0.2682



16.9146, 0.3352, 0.3434



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.



32.2410, 0.3956, 0.3747



51.9980, 0.4204, 0.3845



45.6868, 0.3758, 0.4213



10.1904, 0.3278, 0.3389



11.3816, 0.5596, 0.3939



0.5758, 0.5179, 0.4270

Inverse Universe

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



30.9043, 0.2494, 0.2776



49.2497, 0.2359, 0.2638



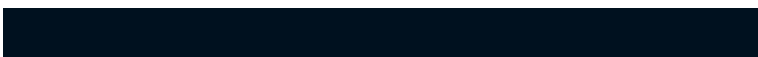
20.1800, 0.2397, 0.2160



10.1061, 0.2984, 0.3189



9.8460, 0.1845, 0.1841



0.5131, 0.1951, 0.2224

Previews

White Background



This preview shows how the Yxy color 32.2395, 0.3956, 0.3747 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 32.2395, 0.3956, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

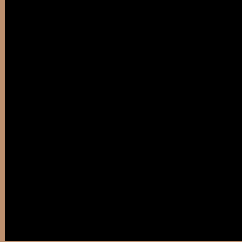
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2395, 0.3956, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 32.2395, 0.3956, 0.3747.



This preview shows how white text looks on a background with the Yxy color 32.2395, 0.3956, 0.3747.

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

32.2395, 0.3956, 0.3747

Protanopia

32.3715, 0.3608, 0.3864

Deuteranopia

32.3948, 0.3884, 0.3814



Tritanopia

32.3280, 0.3593, 0.3143

Trichromacy



Original Color

32.2395, 0.3956, 0.3747

Protanomaly

32.3697, 0.3729, 0.3818

Deuteranomaly

32.3294, 0.3911, 0.3796

Tritanomaly

32.3586, 0.3731, 0.3360

Monochromacy



Original Color

32.2395, 0.3956, 0.3747

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.2128, 0.3410, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2395, 0.3956, 0.3747 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(189, 145, 112)` looks like.

```
.text, #text, p{  
    color:rgb(189, 145, 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(189, 145, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 145, 112) }
```

Border

The CSS property to change the border of an element to Yxy 32.2395, 0.3956, 0.3747 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(189, 145, 112) }
```

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

```
.border{ border-color:rgb(189, 145, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 145, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 145, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 145, 112);  
box-shadow:4px 4px 4px 4px rgb(189, 145,  
112) }
```


Background

The CSS property to change the background color of an element to `Yxy 32.2395, 0.3956, 0.3747` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 145, 112) }
```

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

```
.background{ background-color: rgb(189,  
145, 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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