

Converting Colors

$Y_{xy}(32.7702, 0.4144, 0.4443)$

Have a look what the booklet for
Yxy(32.7702, 0.4144, 0.4443)
contains.

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Color

Yxy(32.7710, 0.4146, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	B09A45
RGB	176, 154, 69
RGB Percent	69%, 60%, 27%
CMY	0.3097, 0.3961, 0.7293
CMYK	0.00, 0.13, 0.61, 0.31
HSL	48°, 44%, 48%
HSV	48°, 61%, 69%
XYZ	30.5391, 32.7710, 10.3491
YIQ	150.8880, 40.3970, -21.7710

Conversions

Conversions Part 2

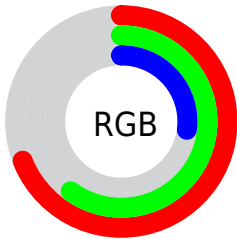
Format	Color
RYB	97, 176, 69
Decimal	11573829
CIELab	63.98, -2.26, 46.61
CIELCh	64, 46.669, 92.776
Yxy	32.7710, 0.4146, 0.4449
Android (android.graphics.Color)	4289763909 (0xFFB09A45)
YUV	150.8880, -40.3708, 22.0232
Hunter-Lab	57.2460, -4.9557, 29.3535

Details

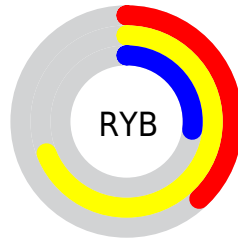
The Yxy color **32.7710, 0.4146, 0.4449** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.8926, 0.2047, 0.1734**, and the grayscale version is **31.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9602, 0.3971, 0.4241**, and **13.8029, 0.4407, 0.4742** is the 20% darker color. If you saturate the color by 10%, you get **31.4070, 0.4299, 0.4580**, and if you desaturate by 10%, it is **34.2390, 0.3978, 0.4286**.

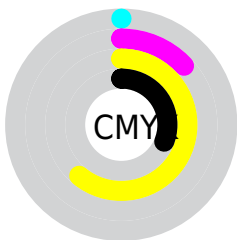
Distribution



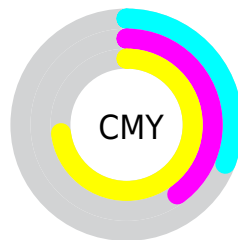
- Red (69%)
- Green (60%)
- Blue (27%)



- Red (38%)
- Yellow (69%)
- Blue (27%)



- Cyan (0%)
- Magenta (13%)
- Yellow (61%)
- Black (31%)



- Cyan (31%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7710, 0.4146, 0.4449 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 32.7710, 0.4146, 0.4449 by changing the saturation by 10% instead.

■ 32.7710, 0.4146,
0.4449

■ 32.7710, 0.4146,
0.4449

■ 314.6166, 0.3637,
0.3862

■ 21.9511, 0.4261,
0.4585

■ 64.0178, 0.3967,
0.4240

■ 13.8210, 0.4396,
0.4748

■ 85.2135, 0.3897,
0.4160

■ 7.9962, 0.4546,
0.4937

■ 110.6366, 0.3838,
0.4091

■ 4.0925, 0.4774,
0.5226

■ 140.6715, 0.3786,
0.4032

■ 1.7255, 0.4741,
0.5259

■ 175.7025, 0.3742,
0.3981

■ 0.4401, 0.4521,
0.5479

216.1141, 0.3702,

■ 0.0000, 0.0000,

0.3937

0.0000

262.2907, 0.3668,
0.3897

■ 32.7710, 0.4146,
0.4449

■ 32.7710, 0.4146,
0.4449

■ 31.4070, 0.4299,
0.4580

■ 34.2390, 0.3978,
0.4286

■ 30.1363, 0.4430,
0.4670

■ 35.8120, 0.3802,
0.4100

■ 28.9529, 0.4534,
0.4714

■ 37.4964, 0.3626,
0.3902

■ 27.9263, 0.4609,
0.4722

■ 39.2969, 0.3454,
0.3699

■ 41.2176, 0.3291,
0.3498

■ 43.2627, 0.3139,
0.3305

■ 45.4357, 0.2998,
0.3121

■ 47.7403, 0.2871,
0.2950

■ 50.1800, 0.2755,
0.2791

Harmonies

Analogous

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



32.7710, 0.4535, 0.3984



32.7710, 0.4146, 0.4449



32.7710, 0.3510, 0.4640

Triad

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



32.7710, 0.4146, 0.4449



32.7710, 0.1909, 0.2886



32.7710, 0.3330, 0.2491

Complementary

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



32.7710, 0.4146, 0.4449



11.8926, 0.2047, 0.1734

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.



32.7710, 0.2621, 0.2231



32.7710, 0.4146, 0.4449



32.7710, 0.1876, 0.2391

Square

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



32.7710, 0.4146, 0.4449



32.7710, 0.2229, 0.3626



32.7710, 0.2117, 0.2184



32.7710, 0.4058, 0.2918

Rectangle

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



32.7710, 0.4146, 0.4449



32.7710, 0.3037, 0.4499



32.7710, 0.2117, 0.2184



32.7710, 0.3080, 0.2383

Sweetspot

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



32.7726, 0.4146, 0.4449



72.0896, 0.3413, 0.3649



14.2683, 0.4578, 0.2972



15.4132, 0.3461, 0.3707



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.7726, 0.4146, 0.4449



56.1211, 0.4348, 0.4616



37.5749, 0.3672, 0.4856



9.6036, 0.3268, 0.3470



20.5688, 0.4604, 0.4726



0.7223, 0.4470, 0.4833

Inverse Universe

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



11.8926, 0.2047, 0.1734



15.1577, 0.1825, 0.1354



10.0662, 0.2246, 0.1492



8.5043, 0.2985, 0.3104



3.3062, 0.1563, 0.0826



0.1863, 0.1704, 0.1335

Previews

White Background



This preview shows how the Yxy color 32.7710, 0.4146, 0.4449 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 32.7710, 0.4146, 0.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

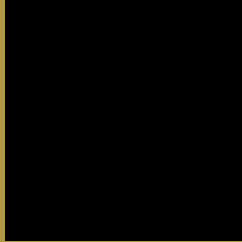
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7710, 0.4146, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 32.7710, 0.4146, 0.4449.



This preview shows how white text looks on a background with the Yxy color 32.7710, 0.4146, 0.4449.

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

32.7710, 0.4146, 0.4449

Protanopia

32.6430, 0.4094, 0.4483

Deuteranopia

32.8412, 0.4355, 0.4274



Tritanopia

32.8414, 0.3430, 0.3139

Trichromacy



Original Color

32.7710, 0.4146, 0.4449

Protanomaly

32.7566, 0.4105, 0.4478

Deuteranomaly

32.6940, 0.4281, 0.4338

Tritanomaly

32.4588, 0.3726, 0.3634

Monochromacy



Original Color

32.7710, 0.4146, 0.4449

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.3105, 0.3512, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7710, 0.4146, 0.4449 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(176, 154, 69)` looks like.

```
.text, #text, p{  
    color:rgb(176, 154, 69)  
}
```

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(176, 154, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 154, 69) }
```

Border

The CSS property to change the border of an element to Yxy 32.7710, 0.4146, 0.4449 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(176, 154, 69) }
```

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

```
.border{ border-color:rgb(176, 154, 69) }
```

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

Here you see how a box with a 4 pixel rgb(176, 154, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 154, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 154, 69);  
box-shadow:4px 4px 4px 4px rgb(176, 154,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7710, 0.4146, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 154, 69) }
```

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

```
.background{ background-color: rgb(176,  
154, 69) }
```

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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