

Converting Colors

$Y_{xy}(32.8178, 0.4474, 0.4471)$

Have a look what the booklet for
Yxy(32.8178, 0.4474, 0.4471)
contains.

Yxy(32.8103, 0.4474, 0.4472)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8103, 0.4474, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	BF9533
RGB	191, 149, 51
RGB Percent	75%, 58%, 20%
CMY	0.2511, 0.4156, 0.8001
CMYK	0.00, 0.22, 0.73, 0.25
HSL	42°, 58%, 47%
HSV	42°, 73%, 75%
XYZ	32.8250, 32.8103, 7.7330
YIQ	150.3860, 56.4900, -21.5740

Conversions

Conversions Part 2

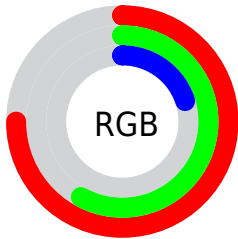
Format	Color
RYB	111, 191, 51
Decimal	12555571
CIELab	64.01, 5.94, 55.12
CIELCh	64, 55.438, 83.848
Yxy	32.8103, 0.4474, 0.4472
Android (android.graphics.Color)	4290745651 (0xFFBF9533)
YUV	150.3860, -48.9973, 35.6185
Hunter-Lab	57.2803, 2.0505, 32.0919

Details

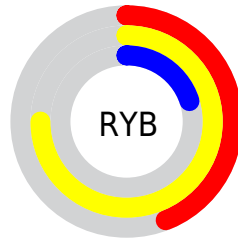
The Yxy color **32.8103, 0.4474, 0.4472** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.2815, 0.1886, 0.1578**, and the grayscale version is **30.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2004, 0.4249, 0.4290**, and **13.9102, 0.4714, 0.4639** is the 20% darker color. If you saturate the color by 10%, you get **30.9097, 0.4636, 0.4534**, and if you desaturate by 10%, it is **34.8723, 0.4290, 0.4366**.

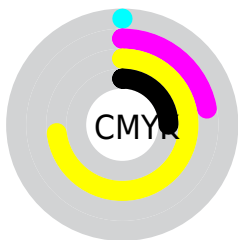
Distribution



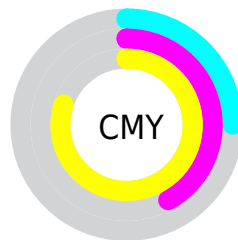
- Red (75%)
- Green (58%)
- Blue (20%)



- Red (44%)
- Yellow (75%)
- Blue (20%)



- Cyan (0%)
- Magenta (22%)
- Yellow (73%)
- Black (25%)





- Cyan (25%)
- Magenta (42%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8103, 0.4474, 0.4472 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 32.8103, 0.4474, 0.4472 by changing the saturation by 10% instead.


 32.8103, 0.4474,
0.4472


 32.8103, 0.4474,
0.4472


 314.7941, 0.3809,
0.3911


 21.9812, 0.4618,
0.4582


 64.0792, 0.4244,
0.4286

 13.8431, 0.4780,
0.4698


 85.2878, 0.4154,
0.4210

 8.0116, 0.5001,
0.4850


 110.7251, 0.4075,
0.4143

 4.1024, 0.5127,
0.4873

 140.7753, 0.4008,
0.4085

 1.7310, 0.5210,
0.4790

 175.8229, 0.3948,
0.4034

 0.4436, 0.5609,
0.4391

 216.2523, 0.3896,

 0.0000, 0.0000,

0.3988

0.0000

262.4479, 0.3850,
0.3948

■ 32.8103, 0.4474,
0.4472

■ 32.8103, 0.4474,
0.4472

■ 30.9097, 0.4636,
0.4534

■ 34.8723, 0.4290,
0.4366

■ 29.1552, 0.4769,
0.4547

■ 37.0996, 0.4094,
0.4226

■ 28.0502, 0.4845,
0.4535

■ 39.5017, 0.3893,
0.4061

■ 42.0856, 0.3697,
0.3883

■ 44.8577, 0.3510,
0.3701

■ 47.8242, 0.3336,
0.3520

■ 50.9908, 0.3177,
0.3346

■ 54.3628, 0.3032,
0.3181

■ 57.9454, 0.2902,
0.3026

Harmonies

Analogous

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



32.8103, 0.4829, 0.3872



32.8103, 0.4474, 0.4472



32.8103, 0.3786, 0.4872

Triad

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



32.8103, 0.4474, 0.4472



32.8103, 0.1787, 0.3030



32.8103, 0.3093, 0.2256

Complementary

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



32.8103, 0.4474, 0.4472



12.2815, 0.1886, 0.1578

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.



32.8103, 0.2327, 0.2027



32.8103, 0.4474, 0.4472



32.8103, 0.1664, 0.2361

Square

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



32.8103, 0.4474, 0.4472



32.8103, 0.2239, 0.3972



32.8103, 0.1846, 0.2046



32.8103, 0.3988, 0.2689

Rectangle

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



32.8103, 0.4474, 0.4472



32.8103, 0.3243, 0.4862



32.8103, 0.1846, 0.2046



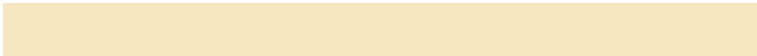
32.8103, 0.2811, 0.2155

Sweetspot

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



32.8119, 0.4474, 0.4472



80.8603, 0.3493, 0.3683



14.2289, 0.4863, 0.2808



17.4474, 0.3543, 0.3734



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.



32.8119, 0.4474, 0.4472



53.4339, 0.4721, 0.4548



45.2709, 0.3828, 0.5050



10.6246, 0.3271, 0.3450



18.5869, 0.4834, 0.4544



0.8374, 0.4647, 0.4692

Inverse Universe

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



12.2815, 0.1886, 0.1578



15.1774, 0.1693, 0.1198



7.7883, 0.1927, 0.1087



9.6790, 0.2984, 0.3125



4.5357, 0.1616, 0.1016



0.2959, 0.1756, 0.1521

Previews

White Background



This preview shows how the Yxy color 32.8103, 0.4474, 0.4472 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 32.8103, 0.4474, 0.4472 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 32.8103, 0.4474, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 32.8103, 0.4474, 0.4472.



This preview shows how white text looks on a background with the Yxy color 32.8103, 0.4474, 0.4472.

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

32.8103, 0.4474, 0.4472

Protanopia

33.0326, 0.4213, 0.4641

Deuteranopia

32.8971, 0.4510, 0.4434



Tritanopia

32.6730, 0.3661, 0.3146

Trichromacy



Original Color

32.8103, 0.4474, 0.4472

Protanomaly

32.7337, 0.4312, 0.4578

Deuteranomaly

32.7652, 0.4500, 0.4440

Tritanomaly

32.4619, 0.4012, 0.3683

Monochromacy



Original Color

32.8103, 0.4474, 0.4472

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.0269, 0.3644, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8103, 0.4474, 0.4472 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, 149, 51)` looks like.

```
.text, #text, p{  
    color:rgb(191, 149, 51)  
}
```

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, 149, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 149, 51) }
```

Border

The CSS property to change the border of an element to Yxy 32.8103, 0.4474, 0.4472 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, 149, 51) }
```

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

```
.border{ border-color:rgb(191, 149, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 149, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 149, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 149, 51);  
box-shadow:4px 4px 4px 4px rgb(191, 149,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8103, 0.4474, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 149, 51) }
```

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

```
.background{ background-color: rgb(191,  
149, 51) }
```

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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