

Converting Colors

$Y_{xy}(32.1215, 0.4074, 0.4617)$

Have a look what the booklet for
Yxy(32.1215, 0.4074, 0.4617)
contains.

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Color

Yxy(32.2208, 0.4076, 0.4615)

Conversions

Conversions Part 1

Format	Color
Hex	A69C3D
RGB	166, 156, 61
RGB Percent	65%, 61%, 24%
CMY	0.3490, 0.3882, 0.7606
CMYK	0.00, 0.06, 0.63, 0.35
HSL	54°, 46%, 45%
HSV	54°, 63%, 65%
XYZ	28.4576, 32.2208, 9.1391
YIQ	148.1600, 36.4550, -27.4250

Conversions

Conversions Part 2

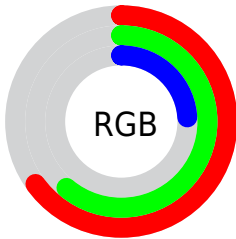
Format	Color
RYB	72, 166, 61
Decimal	10918973
CIELab	63.52, -8.28, 49.54
CIELCh	64, 50.232, 99.493
Yxy	32.2208, 0.4076, 0.4615
Android (android.graphics.Color)	4289109053 (0xFFA69C3D)
YUV	148.1600, -42.9699, 15.6457
Hunter-Lab	56.7634, -9.8471, 30.1884

Details

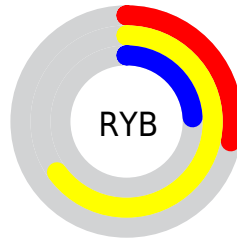
The Yxy color **32.2208, 0.4076, 0.4615** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.2575, 0.1962, 0.1464**, and the grayscale version is **29.8584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9734, 0.3914, 0.4366**, and **13.4848, 0.4282, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **31.5429, 0.4189, 0.4750**, and if you desaturate by 10%, it is **32.9640, 0.3943, 0.4444**.

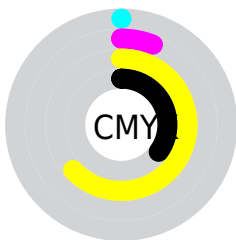
Distribution



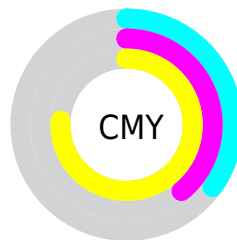
- Red (65%)
- Green (61%)
- Blue (24%)



- Red (28%)
- Yellow (65%)
- Blue (24%)



- Cyan (0%)
- Magenta (6%)
- Yellow (63%)
- Black (35%)




- Cyan (35%)
- Magenta (39%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2208, 0.4076, 0.4615 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 32.2208, 0.4076, 0.4615 by changing the saturation by 10% instead.


 32.2208, 0.4076,
0.4615


 32.2208, 0.4076,
0.4615

312.1238, 0.3613,
0.3934


 21.5302, 0.4174,
0.4776


 63.1571, 0.3918,
0.4370


 13.5121, 0.4281,
0.4970


 84.1715, 0.3855,
0.4277


 7.7821, 0.4400,
0.5213


 109.3961, 0.3800,
0.4197

 3.9559, 0.4501,
0.5499

 139.2151, 0.3752,
0.4129

 1.6489, 0.4371,
0.5629

 174.0130, 0.3711,
0.4070

 0.3902, 0.3018,
0.6982

214.1742, 0.3674,

 0.0000, 0.0000,

0.4019

0.0000

260.0830, 0.3642,
0.3974

■ 32.2208, 0.4076,
0.4615

■ 32.2208, 0.4076,
0.4615

■ 31.5429, 0.4189,
0.4750

■ 32.9640, 0.3943,
0.4444

■ 30.9204, 0.4276,
0.4844

■ 33.7727, 0.3795,
0.4247

■ 30.3485, 0.4337,
0.4894

■ 34.6525, 0.3639,
0.4031

■ 29.9800, 0.4369,
0.4913

■ 35.6072, 0.3481,
0.3806

■ 36.6403, 0.3324,
0.3580

■ 37.7551, 0.3174,
0.3359

■ 38.9547, 0.3032,
0.3148

■ 40.2419, 0.2900,
0.2949

■ 41.6195, 0.2779,
0.2765

Harmonies

Analogous

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



32.2208, 0.4577, 0.4144



32.2208, 0.4076, 0.4615



32.2208, 0.3358, 0.4738

Triad

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



32.2208, 0.4076, 0.4615



32.2208, 0.1790, 0.2700



32.2208, 0.3528, 0.2524

Complementary

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



32.2208, 0.4076, 0.4615



8.2575, 0.1962, 0.1464

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.



32.2208, 0.2735, 0.2203



32.2208, 0.4076, 0.4615



32.2208, 0.1824, 0.2247

Square

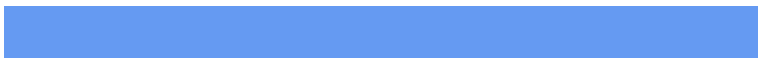
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.2208, 0.4076, 0.4615



32.2208, 0.2057, 0.3456



32.2208, 0.2141, 0.2097



32.2208, 0.4282, 0.3005

Rectangle

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



32.2208, 0.4076, 0.4615



32.2208, 0.2854, 0.4502



32.2208, 0.2141, 0.2097



32.2208, 0.3253, 0.2396

Sweetspot

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



32.2223, 0.4076, 0.4615



65.3325, 0.3420, 0.3718



11.9104, 0.4903, 0.3148



14.5066, 0.3463, 0.3781



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.2223, 0.4076, 0.4615



56.7621, 0.4228, 0.4794



31.8965, 0.3558, 0.4979



8.6498, 0.3264, 0.3492



23.2847, 0.4367, 0.4914



0.6005, 0.4303, 0.4965

Inverse Universe

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



8.2575, 0.1962, 0.1464



9.8268, 0.1729, 0.1064



8.9796, 0.2351, 0.1492



7.4112, 0.2986, 0.3079



2.4514, 0.1522, 0.0679



0.0941, 0.1613, 0.1006

Previews

White Background



This preview shows how the Yxy color 32.2208, 0.4076, 0.4615 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 32.2208, 0.4076, 0.4615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

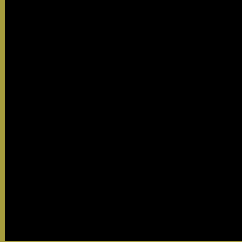
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2208, 0.4076, 0.4615

Background



This preview shows how black text looks on a background with the Yxy color 32.2208, 0.4076, 0.4615.



This preview shows how white text looks on a background with the Yxy color 32.2208, 0.4076, 0.4615.

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

32.2208, 0.4076, 0.4615

Protanopia

32.2081, 0.4166, 0.4566

Deuteranopia

32.0043, 0.4418, 0.4325



Tritanopia

32.1404, 0.3313, 0.3120

Trichromacy



Original Color

32.2208, 0.4076, 0.4615

Protanomaly

32.3150, 0.4135, 0.4590

Deuteranomaly

32.1167, 0.4290, 0.4431

Tritanomaly

32.0134, 0.3630, 0.3690

Monochromacy



Original Color

32.2208, 0.4076, 0.4615

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3627, 0.3510, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2208, 0.4076, 0.4615 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(166, 156, 61)` looks like.

```
.text, #text, p{  
    color:rgb(166, 156, 61)  
}
```

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(166, 156, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 156, 61) }
```

Border

The CSS property to change the border of an element to Yxy 32.2208, 0.4076, 0.4615 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(166, 156, 61) }
```

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

```
.border{ border-color:rgb(166, 156, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 156, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 156, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 156, 61);  
box-shadow:4px 4px 4px 4px rgb(166, 156,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2208, 0.4076, 0.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 156, 61) }
```

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

```
.background{ background-color: rgb(166,  
156, 61) }
```

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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