

Converting Colors

$Y_{xy}(32.9535, 0.4058, 0.4577)$

Have a look what the booklet for
Yxy(32.9535, 0.4058, 0.4577)
contains.

Yxy(32.8204, 0.4062, 0.4572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8204, 0.4062, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	A89D41
RGB	168, 157, 65
RGB Percent	66%, 62%, 25%
CMY	0.3412, 0.3843, 0.7449
CMYK	0.00, 0.07, 0.61, 0.34
HSL	54°, 44%, 46%
HSV	54°, 61%, 66%
XYZ	29.1593, 32.8204, 9.8059
YIQ	149.8010, 36.0880, -26.2800

Conversions

Conversions Part 2

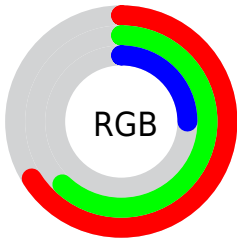
Format	Color
RYB	77, 168, 65
Decimal	11050305
CIELab	64.02, -7.67, 48.31
CIELCh	64, 48.915, 99.022
Yxy	32.8204, 0.4062, 0.4572
Android (android.graphics.Color)	4289240385 (0xFFA89D41)
YUV	149.8010, -41.8069, 15.9605
Hunter-Lab	57.2891, -9.4020, 29.9540

Details

The Yxy color **32.8204, 0.4062, 0.4572** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.1258, 0.2001, 0.1543**, and the grayscale version is **30.5818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8804, 0.3900, 0.4329**, and **13.8363, 0.4271, 0.4922** is the 20% darker color. If you saturate the color by 10%, you get **32.0529, 0.4182, 0.4713**, and if you desaturate by 10%, it is **33.6578, 0.3923, 0.4397**.

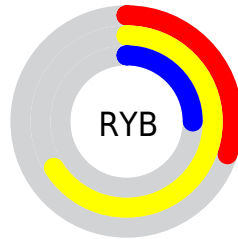
Distribution



Red (66%)

Green (62%)

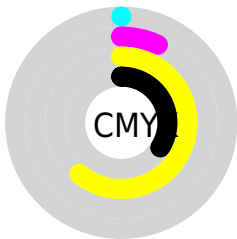
Blue (25%)



Red (30%)

Yellow (66%)

Blue (25%)

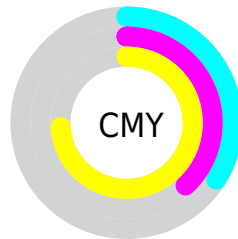


Cyan (0%)

Magenta (7%)

Yellow (61%)

Black (34%)



Cyan (34%)

Magenta (38%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8204, 0.4062, 0.4572 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 32.8204, 0.4062, 0.4572 by changing the saturation by 10% instead.

 32.8204, 0.4062,
0.4572


 32.8204, 0.4062,
0.4572


314.8397, 0.3604,
0.3913


 21.9889, 0.4160,
0.4729


 64.0950, 0.3904,
0.4335


 13.8487, 0.4271,
0.4918


 85.3069, 0.3842,
0.4245


 8.0155, 0.4389,
0.5147


 110.7478, 0.3788,
0.4168

 4.1049, 0.4533,
0.5467

 140.8019, 0.3741,
0.4102

 1.7324, 0.4417,
0.5583

 175.8538, 0.3700,
0.4045

 0.4445, 0.3461,
0.6539

216.2878, 0.3664,

 0.0000, 0.0000,

0.3996

0.0000

262.4883, 0.3632,
0.3952

■ 32.8204, 0.4062,
0.4572

■ 32.8204, 0.4062,
0.4572

■ 32.0529, 0.4182,
0.4713

■ 33.6578, 0.3923,
0.4397

■ 31.3454, 0.4279,
0.4814

■ 34.5651, 0.3770,
0.4196

■ 30.6930, 0.4348,
0.4871

■ 35.5481, 0.3611,
0.3980

■ 30.1569, 0.4392,
0.4894

■ 36.6108, 0.3451,
0.3757

■ 37.7566, 0.3295,
0.3534

■ 38.9889, 0.3146,
0.3317

■ 40.3109, 0.3005,
0.3111

■ 41.7254, 0.2876,
0.2917

■ 43.2354, 0.2757,
0.2737

Harmonies

Analogous

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



32.8204, 0.4540, 0.4118



32.8204, 0.4062, 0.4572



32.8204, 0.3367, 0.4690

Triad

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



32.8204, 0.4062, 0.4572



32.8204, 0.1828, 0.2730



32.8204, 0.3504, 0.2539

Complementary

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



32.8204, 0.4062, 0.4572



9.1258, 0.2001, 0.1543

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.



32.8204, 0.2737, 0.2228



32.8204, 0.4062, 0.4572



32.8204, 0.1856, 0.2283

Square

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



32.8204, 0.4062, 0.4572



32.8204, 0.2095, 0.3466



32.8204, 0.2162, 0.2130



32.8204, 0.4235, 0.3007

Rectangle

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



32.8204, 0.4062, 0.4572



32.8204, 0.2877, 0.4466



32.8204, 0.2162, 0.2130



32.8204, 0.3238, 0.2415

Sweetspot

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



32.8219, 0.4062, 0.4572



67.0402, 0.3405, 0.3691



12.6466, 0.4788, 0.3124



14.4880, 0.3449, 0.3753



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.



32.8219, 0.4062, 0.4572



57.6345, 0.4225, 0.4759



33.0148, 0.3569, 0.4922



8.6350, 0.3265, 0.3490



22.8206, 0.4390, 0.4896



0.5928, 0.4317, 0.4954

Inverse Universe

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



9.1258, 0.2001, 0.1543



10.9433, 0.1763, 0.1136



9.5865, 0.2359, 0.1536



7.4247, 0.2986, 0.3082



2.4992, 0.1525, 0.0691



0.0992, 0.1625, 0.1050

Previews

White Background



This preview shows how the Yxy color 32.8204, 0.4062, 0.4572 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 32.8204, 0.4062, 0.4572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

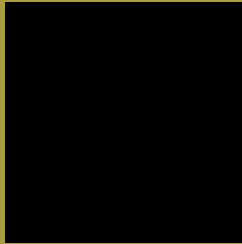
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8204, 0.4062, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 32.8204, 0.4062, 0.4572.



This preview shows how white text looks on a background with the Yxy color 32.8204, 0.4062, 0.4572.

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

32.8204, 0.4062, 0.4572

Protanopia

32.7086, 0.4134, 0.4521

Deuteranopia

32.8036, 0.4378, 0.4304



Tritanopia

32.6007, 0.3312, 0.3121

Trichromacy



Original Color

32.8204, 0.4062, 0.4572

Protanomaly

32.8165, 0.4103, 0.4544

Deuteranomaly

32.6057, 0.4263, 0.4397

Tritanomaly

32.4981, 0.3617, 0.3673

Monochromacy



Original Color

32.8204, 0.4062, 0.4572

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.2825, 0.3496, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8204, 0.4062, 0.4572 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(168, 157, 65)` looks like.

```
.text, #text, p{  
    color:rgb(168, 157, 65)  
}
```

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(168, 157, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 157, 65) }
```

Border

The CSS property to change the border of an element to Yxy 32.8204, 0.4062, 0.4572 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(168, 157, 65) }
```

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

```
.border{ border-color:rgb(168, 157, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 157, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 157, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 157, 65);  
box-shadow:4px 4px 4px 4px rgb(168, 157,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8204, 0.4062, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 157, 65) }
```

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

```
.background{ background-color: rgb(168,  
157, 65) }
```

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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