

Converting Colors

$Y_{xy}(32.7631, 0.3611, 0.4590)$

Have a look what the booklet for
Yxy(32.7631, 0.3611, 0.4590)
contains.

Yxy(32.8077, 0.3610, 0.4601)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8077, 0.3610, 0.4601)

Conversions

Conversions Part 1

Format	Color
Hex	8DA451
RGB	141, 164, 81
RGB Percent	55%, 64%, 32%
CMY	0.4472, 0.3568, 0.6824
CMYK	0.14, 0.00, 0.51, 0.36
HSL	77°, 34%, 48%
HSV	77°, 51%, 64%
XYZ	25.7413, 32.8077, 12.7566
YIQ	147.6610, 12.9350, -30.6890

Conversions

Conversions Part 2

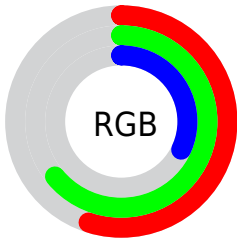
Format	Color
RYB	81, 164, 104
Decimal	9282641
CIELab	64.00, -21.35, 40.08
CIELCh	64, 45.410, 118.050
Yxy	32.8077, 0.3610, 0.4601
Android (android.graphics.Color)	4287472721 (0xFF8DA451)
YUV	147.6610, -32.8639, -5.8417
Hunter-Lab	57.2780, -20.0168, 26.8899

Details

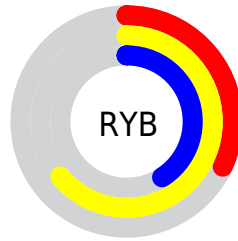
The Yxy color **32.8077, 0.3610, 0.4601** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.5073, 0.2422, 0.1815**, and the grayscale version is **29.5993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0647, 0.3537, 0.4336**, and **13.8111, 0.3709, 0.5041** is the 20% darker color. If you saturate the color by 10%, you get **32.2015, 0.3675, 0.4842**, and if you desaturate by 10%, it is **33.4927, 0.3529, 0.4341**.

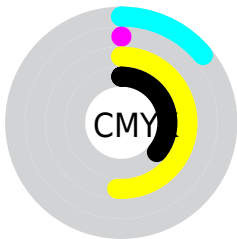
Distribution



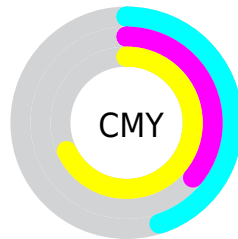
- Red (55%)
- Green (64%)
- Blue (32%)



- Red (32%)
- Yellow (64%)
- Blue (41%)



- Cyan (14%)
- Magenta (0%)
- Yellow (51%)
- Black (36%)



- Cyan (45%)
- Magenta (36%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8077, 0.3610, 0.4601 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 32.8077, 0.3610, 0.4601 by changing the saturation by 10% instead.


 32.8077, 0.3610,
0.4601


 32.8077, 0.3610,
0.4601


 314.7823, 0.3384,
0.3891

 21.9792, 0.3654,
0.4791


 64.0752, 0.3535,
0.4332

 13.8416, 0.3699,
0.5040


 85.2829, 0.3505,
0.4234

 8.0106, 0.3733,
0.5371


 110.7192, 0.3478,
0.4152

 4.1017, 0.3847,
0.6018

 140.7684, 0.3454,
0.4083

 1.7306, 0.3561,
0.6439

 175.8149, 0.3433,
0.4025

 0.4434, 0.0000,
1.0000

216.2432, 0.3415,

 0.0000, 0.0000,

0.3974

0.0000

262.4375, 0.3399,
0.3930

■ 32.8077, 0.3610,
0.4601

■ 32.8077, 0.3610,
0.4601

■ 32.2015, 0.3675,
0.4842

■ 33.4927, 0.3529,
0.4341

■ 31.6651, 0.3719,
0.5052

■ 34.2561, 0.3436,
0.4074

■ 31.1948, 0.3740,
0.5223

■ 35.1032, 0.3337,
0.3807

■ 30.7846, 0.3735,
0.5348

■ 36.0375, 0.3235,
0.3549

■ 30.4419, 0.3715,
0.5432

■ 37.0624, 0.3133,
0.3305

■ 38.1807, 0.3035,
0.3077

■ 39.3956, 0.2942,
0.2868

■ 40.7098, 0.2854,
0.2677

■ 42.1259, 0.2772,
0.2503

Harmonies

Analogous

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



32.8077, 0.4202, 0.4363



32.8077, 0.3610, 0.4601



32.8077, 0.2923, 0.4387

Triad

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



32.8077, 0.3610, 0.4601



32.8077, 0.1892, 0.2472



32.8077, 0.3932, 0.2855

Complementary

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



32.8077, 0.3610, 0.4601



11.5073, 0.2422, 0.1815

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.



32.8077, 0.3210, 0.2458



32.8077, 0.3610, 0.4601



32.8077, 0.2087, 0.2225

Square

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



32.8077, 0.3610, 0.4601



32.8077, 0.1969, 0.3000



32.8077, 0.2541, 0.2233



32.8077, 0.4437, 0.3357

Rectangle

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



32.8077, 0.3610, 0.4601



32.8077, 0.2504, 0.3985



32.8077, 0.2541, 0.2233



32.8077, 0.3701, 0.2707

Sweetspot

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



32.8092, 0.3610, 0.4601



64.5945, 0.3282, 0.3668



18.2126, 0.4330, 0.3641



14.0481, 0.3303, 0.3719



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.8092, 0.3610, 0.4601



58.2860, 0.3683, 0.4876



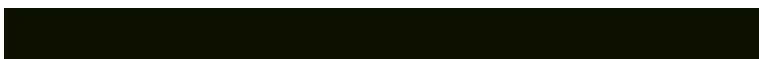
29.8784, 0.3213, 0.4786



8.1380, 0.3221, 0.3515



23.3625, 0.3720, 0.5429



0.5126, 0.3901, 0.5285

Inverse Universe

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



11.5073, 0.2422, 0.1815



15.1126, 0.2222, 0.1459



14.5499, 0.2927, 0.2004



6.9506, 0.3028, 0.3061



2.5129, 0.1691, 0.0705



0.0751, 0.2081, 0.0920

Previews

White Background



This preview shows how the Yxy color 32.8077, 0.3610, 0.4601 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 32.8077, 0.3610, 0.4601 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 32.8077, 0.3610, 0.4601

Background



This preview shows how black text looks on a background with the Yxy color 32.8077, 0.3610, 0.4601.



This preview shows how white text looks on a background with the Yxy color 32.8077, 0.3610, 0.4601.

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

32.8077, 0.3610, 0.4601

Protanopia

32.6507, 0.4014, 0.4384

Deuteranopia

32.6545, 0.4204, 0.4133



Tritanopia

32.9081, 0.2991, 0.3111

Trichromacy



Original Color

32.8077, 0.3610, 0.4601

Protanomaly

32.4918, 0.3864, 0.4462

Deuteranomaly

32.5220, 0.3982, 0.4292

Tritanomaly

32.5272, 0.3229, 0.3636

Monochromacy



Original Color

32.8077, 0.3610, 0.4601

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.5862, 0.3317, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8077, 0.3610, 0.4601 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(141, 164, 81)` looks like.

```
.text, #text, p{  
    color:rgb(141, 164, 81)  
}
```

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(141, 164, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 164, 81) }
```

Border

The CSS property to change the border of an element to Yxy 32.8077, 0.3610, 0.4601 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(141, 164, 81) }
```

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

```
.border{ border-color:rgb(141, 164, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 164, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 164, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 164, 81);  
box-shadow:4px 4px 4px 4px rgb(141, 164,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8077, 0.3610, 0.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 164, 81) }
```

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

```
.background{ background-color: rgb(141,  
164, 81) }
```

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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