

Converting Colors

$Y_{xy}(35.2271, 0.4009, 0.4415)$

Have a look what the booklet for
Yxy(35.2271, 0.4009, 0.4415)
contains.

Yxy(35.2844, 0.4014, 0.4418)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.2844, 0.4014, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	B0A14F
RGB	176, 161, 79
RGB Percent	69%, 63%, 31%
CMY	0.3099, 0.3686, 0.6901
CMYK	0.00, 0.09, 0.55, 0.31
HSL	51°, 38%, 50%
HSV	51°, 55%, 69%
XYZ	32.0579, 35.2844, 12.5228
YIQ	156.1370, 35.2620, -22.3220

Conversions

Conversions Part 2

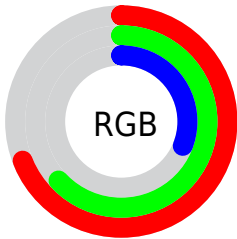
Format	Color
RYB	97, 176, 79
Decimal	11575631
CIELab	65.97, -5.27, 44.06
CIELCh	66, 44.379, 96.822
Yxy	35.2844, 0.4014, 0.4418
Android (android.graphics.Color)	4289765711 (0xFFB0A14F)
YUV	156.1370, -38.0285, 17.4199
Hunter-Lab	59.4007, -7.6168, 29.0810

Details

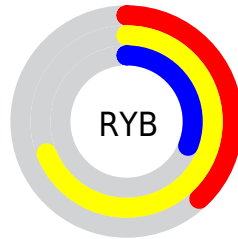
The Yxy color **35.2844, 0.4014, 0.4418** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.8017, 0.2133, 0.1813**, and the grayscale version is **33.4723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0471, 0.3858, 0.4221**, and **15.3055, 0.4225, 0.4726** is the 20% darker color. If you saturate the color by 10%, you get **34.1233, 0.4161, 0.4575**, and if you desaturate by 10%, it is **36.5372, 0.3854, 0.4233**.

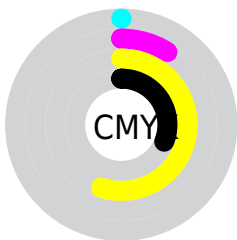
Distribution



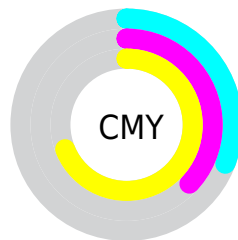
- Red (69%)
- Green (63%)
- Blue (31%)



- Red (38%)
- Yellow (69%)
- Blue (31%)



- Cyan (0%)
- Magenta (9%)
- Yellow (55%)
- Black (31%)




- Cyan (31%)
- Magenta (37%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2844, 0.4014, 0.4418 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 35.2844, 0.4014, 0.4418 by changing the saturation by 10% instead.

 35.2844, 0.4014,
0.4418


 35.2844, 0.4014,
0.4418


325.8219, 0.3575,
0.3843


 23.8820, 0.4113,
0.4556


 67.9261, 0.3860,
0.4211

 15.2461, 0.4231,
0.4725


 89.9343, 0.3800,
0.4132


 8.9923, 0.4364,
0.4931

 116.2464, 0.3749,
0.4065

 4.7362, 0.4626,
0.5318

 147.2471, 0.3704,
0.4008

 2.0933, 0.4581,
0.5419

 183.3205, 0.3666,
0.3958

 0.6609, 0.4304,
0.5696

224.8512, 0.3632,

 0.0000, 0.0000,

0.3915

0.0000

272.2235, 0.3602,
0.3877

■ 35.2844, 0.4014,
0.4418

■ 35.2844, 0.4014,
0.4418

■ 34.1233, 0.4161,
0.4575

■ 36.5372, 0.3854,
0.4233

■ 33.0435, 0.4287,
0.4696

■ 37.8819, 0.3687,
0.4029

■ 32.0400, 0.4389,
0.4774

■ 39.3246, 0.3520,
0.3816

■ 31.1051, 0.4462,
0.4807

■ 40.8696, 0.3357,
0.3603

■ 30.6625, 0.4493,
0.4814

■ 42.5207, 0.3202,
0.3393

■ 44.2817, 0.3057,
0.3193

■ 46.1560, 0.2924,
0.3005

■ 48.1469, 0.2801,
0.2829

■ 50.2576, 0.2690,
0.2667

Harmonies

Analogous

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



35.2844, 0.4411, 0.4015



35.2844, 0.4014, 0.4418



35.2844, 0.3403, 0.4528

Triad

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



35.2844, 0.4014, 0.4418



35.2844, 0.1966, 0.2842



35.2844, 0.3414, 0.2588

Complementary

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



35.2844, 0.4014, 0.4418



12.8017, 0.2133, 0.1813

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.



35.2844, 0.2738, 0.2317



35.2844, 0.4014, 0.4418



35.2844, 0.1969, 0.2412

Square

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



35.2844, 0.4014, 0.4418



35.2844, 0.2234, 0.3506



35.2844, 0.2232, 0.2246



35.2844, 0.4069, 0.3009

Rectangle

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



35.2844, 0.4014, 0.4418



35.2844, 0.2962, 0.4349



35.2844, 0.2232, 0.2246



35.2844, 0.3179, 0.2478

Sweetspot

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



35.2861, 0.4014, 0.4418



73.5098, 0.3393, 0.3649



15.6531, 0.4455, 0.3062



15.8112, 0.3424, 0.3691



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.



35.2861, 0.4014, 0.4418



61.4891, 0.4189, 0.4603



37.5060, 0.3591, 0.4746



9.6787, 0.3267, 0.3481



22.5729, 0.4490, 0.4817



0.7703, 0.4395, 0.4893

Inverse Universe

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



12.8017, 0.2133, 0.1813



16.6941, 0.1912, 0.1448



12.1315, 0.2398, 0.1688



8.4350, 0.2985, 0.3091



2.9376, 0.1541, 0.0746



0.1578, 0.1659, 0.1170

Previews

White Background



This preview shows how the Yxy color 35.2844, 0.4014, 0.4418 looks on a white background.

Color Contrast Check

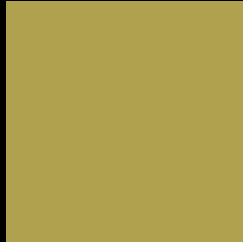
Large Text (above 18pt) WCAG AA × Fail

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 35.2844, 0.4014, 0.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

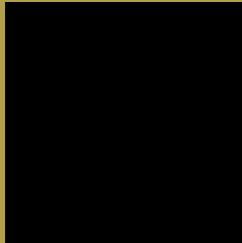
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2844, 0.4014, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 35.2844, 0.4014, 0.4418.



This preview shows how white text looks on a background with the Yxy color 35.2844, 0.4014, 0.4418.

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

35.2844, 0.4014, 0.4418

Protanopia

35.4014, 0.4025, 0.4413

Deuteranopia

35.2469, 0.4282, 0.4204



Tritanopia

35.3272, 0.3337, 0.3127

Trichromacy



Original Color

35.2844, 0.4014, 0.4418

Protanomaly

35.4014, 0.4025, 0.4413

Deuteranomaly

35.1749, 0.4182, 0.4286

Tritanomaly

34.9599, 0.3607, 0.3602

Monochromacy



Original Color

35.2844, 0.4014, 0.4418

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.7988, 0.3457, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2844, 0.4014, 0.4418 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, 161, 79)` looks like.

```
.text, #text, p{  
    color:rgb(176, 161, 79)  
}
```

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, 161, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 161, 79) }
```

Border

The CSS property to change the border of an element to Yxy 35.2844, 0.4014, 0.4418 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, 161, 79) }
```

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

```
.border{ border-color:rgb(176, 161, 79) }
```

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

Here you see how a box with a 4 pixel rgb(176, 161, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 161, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 161, 79);  
box-shadow:4px 4px 4px 4px rgb(176, 161,  
79) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.2844, 0.4014, 0.4418$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 161, 79) }
```

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

```
.background{ background-color: rgb(176,  
161, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor