

Converting Colors

$Y_{xy}(31.3157, 0.3758, 0.4272)$

Have a look what the booklet for
Yxy(31.3157, 0.3758, 0.4272)
contains.

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Color

Yxy(31.3661, 0.3749, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	9D9B5B
RGB	157, 155, 91
RGB Percent	62%, 61%, 36%
CMY	0.3844, 0.3921, 0.6430
CMYK	0.00, 0.01, 0.42, 0.38
HSL	58°, 27%, 49%
HSV	58°, 42%, 62%
XYZ	27.5132, 31.3661, 14.5088
YIQ	148.3020, 21.7360, -19.4800

Conversions

Conversions Part 2

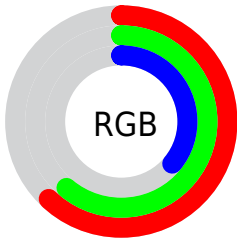
Format	Color
RYB	93, 157, 91
Decimal	10328923
CIELab	62.82, -8.97, 33.74
CIElCh	63, 34.907, 104.888
Yxy	31.3661, 0.3749, 0.4274
Android (android.graphics.Color)	4288519003 (0xFF9D9B5B)
YUV	148.3020, -28.2499, 7.6281
Hunter-Lab	56.0054, -10.3197, 23.8441

Details

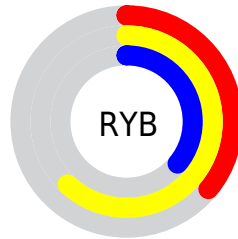
The Yxy color **31.3661, 0.3749, 0.4274** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.4904, 0.2372, 0.2069**, and the grayscale version is **29.8615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7001, 0.3640, 0.4075**, and **13.0181, 0.3917, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **30.9678, 0.3884, 0.4483**, and if you desaturate by 10%, it is **31.8246, 0.3604, 0.4046**.

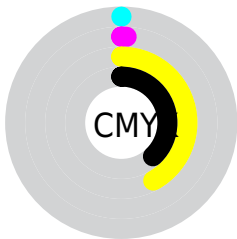
Distribution



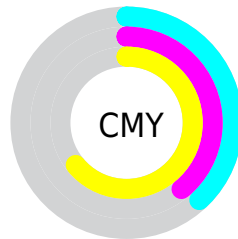
- Red (62%)
- Green (61%)
- Blue (36%)



- Red (36%)
- Yellow (62%)
- Blue (36%)



- Cyan (0%)
- Magenta (1%)
- Yellow (42%)
- Black (38%)



- Cyan (38%)
- Magenta (39%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3661, 0.3749, 0.4274 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 31.3661, 0.3749, 0.4274 by changing the saturation by 10% instead.

■ 31.3661, 0.3749,
0.4274

■ 31.3661, 0.3749,
0.4274

308.2214, 0.3432,
0.3748

■ 20.8778, 0.3825,
0.4413

■ 61.8160, 0.3635,
0.4076

■ 13.0347, 0.3919,
0.4594

■ 82.5464, 0.3591,
0.4004

■ 7.4524, 0.4033,
0.4835

■ 107.4596, 0.3554,
0.3943

■ 3.7466, 0.4218,
0.5235

■ 136.9399, 0.3523,
0.3892

■ 1.5329, 0.4315,
0.5685

171.3719, 0.3496,
0.3848

■ 0.3117, 0.1988,
0.8012

211.1399, 0.3472,

■ 0.0000, 0.0000,

0.3810

0.0000

256.6283, 0.3451,
0.3777

■ 31.3661, 0.3749,
0.4274

■ 31.3661, 0.3749,
0.4274

■ 30.9678, 0.3884,
0.4483

■ 31.8246, 0.3604,
0.4046

■ 30.6218, 0.4002,
0.4665

■ 32.3421, 0.3453,
0.3809

■ 30.3256, 0.4100,
0.4811


■ 32.9233, 0.3303,
0.3570

■ 30.0746, 0.4173,
0.4916

■ 33.5708, 0.3156,
0.3336


■ 29.8635, 0.4220,
0.4980

■ 34.2873, 0.3016,
0.3112

 29.7130, 0.4246,
0.5011

 35.0753, 0.2885,
0.2901

 35.9372, 0.2763,
0.2705

 36.8751, 0.2652,
0.2524

 37.8914, 0.2550,
0.2360

Harmonies

Analogous

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



31.3661, 0.4129, 0.4013



31.3661, 0.3749, 0.4274



31.3661, 0.3221, 0.4248

Triad

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



31.3661, 0.3749, 0.4274



31.3661, 0.2133, 0.2815



31.3661, 0.3521, 0.2789

Complementary

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



31.3661, 0.3749, 0.4274



12.4904, 0.2372, 0.2069

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.



31.3661, 0.2953, 0.2518



31.3661, 0.3749, 0.4274



31.3661, 0.2194, 0.2505

Square

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



31.3661, 0.3749, 0.4274



31.3661, 0.2305, 0.3318



31.3661, 0.2479, 0.2412



31.3661, 0.4009, 0.3175

Rectangle

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



31.3661, 0.3749, 0.4274



31.3661, 0.2860, 0.4034



31.3661, 0.2479, 0.2412



31.3661, 0.3331, 0.2684

Sweetspot

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



31.3675, 0.3749, 0.4274



58.8395, 0.3321, 0.3599



15.4489, 0.4138, 0.3257



12.8983, 0.3352, 0.3649



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



31.3675, 0.3749, 0.4274



55.5424, 0.3870, 0.4462



29.3162, 0.3407, 0.4424



7.6862, 0.3262, 0.3505



24.1475, 0.4245, 0.5011



0.4413, 0.4223, 0.5029

Inverse Universe

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



12.4904, 0.2372, 0.2069



17.2996, 0.2186, 0.1764



14.0455, 0.2720, 0.2143



6.4656, 0.2987, 0.3066



2.0701, 0.1507, 0.0625



0.0453, 0.1541, 0.0748

Previews

White Background



This preview shows how the Yxy color 31.3661, 0.3749, 0.4274 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 31.3661, 0.3749, 0.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

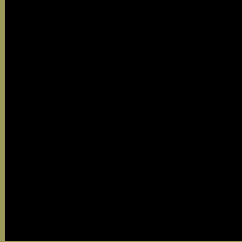
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3661, 0.3749, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 31.3661, 0.3749, 0.4274.



This preview shows how white text looks on a background with the Yxy color 31.3661, 0.3749, 0.4274.

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

31.3661, 0.3749, 0.4274

Protanopia

31.3016, 0.3876, 0.4213

Deuteranopia

31.2315, 0.4096, 0.4014



Tritanopia

31.2632, 0.3187, 0.3113

Trichromacy



Original Color

31.3661, 0.3749, 0.4274

Protanomaly

31.3072, 0.3837, 0.4238

Deuteranomaly

31.2663, 0.3967, 0.4115

Tritanomaly

31.1110, 0.3399, 0.3535

Monochromacy



Original Color

31.3661, 0.3749, 0.4274

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.2448, 0.3358, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3661, 0.3749, 0.4274 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(157, 155, 91)` looks like.

```
.text, #text, p{  
    color:rgb(157, 155, 91)  
}
```

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(157, 155, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 155, 91) }
```

Border

The CSS property to change the border of an element to Yxy 31.3661, 0.3749, 0.4274 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(157, 155, 91) }
```

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

```
.border{ border-color:rgb(157, 155, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 155, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 155, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 155, 91);  
box-shadow:4px 4px 4px 4px rgb(157, 155,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3661, 0.3749, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 155, 91) }
```

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

```
.background{ background-color: rgb(157,  
155, 91) }
```

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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