

Converting Colors

$Y_{xy}(31.1898, 0.3264, 0.3441)$

Have a look what the booklet for
Yxy(31.1898, 0.3264, 0.3441)
contains.

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Color

Yxy(31.1541, 0.3264, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	9C978E
RGB	156, 151, 142
RGB Percent	61%, 59%, 56%
CMY	0.3884, 0.4078, 0.4431
CMYK	0.00, 0.03, 0.09, 0.39
HSL	39°, 7%, 58%
HSV	39°, 9%, 61%
XYZ	29.6550, 31.1541, 30.0457
YIQ	151.4690, 5.8690, -1.7390

Conversions

Conversions Part 2

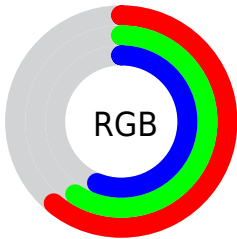
Format	Color
RYB	150, 156, 142
Decimal	10262414
CIELab	62.64, 0.17, 5.37
CIELCh	63, 5.377, 88.213
Yxy	31.1541, 0.3264, 0.3429
Android (android.graphics.Color)	4288452494 (0xFF9C978E)
YUV	151.4690, -4.6682, 3.9737
Hunter-Lab	55.8159, -2.8406, 7.1553

Details

The Yxy color **31.1541, 0.3264, 0.3429** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.0071, 0.2993, 0.3147**, and the grayscale version is **31.1765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4970, 0.3238, 0.3395**, and **12.8903, 0.3313, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **28.9790, 0.3432, 0.3592**, and if you desaturate by 10%, it is **33.4812, 0.3112, 0.3274**.

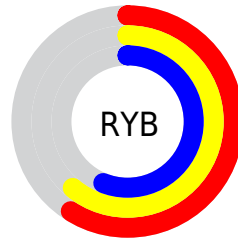
Distribution



Red (61%)

Green (59%)

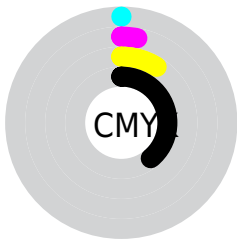
Blue (56%)



Red (59%)

Yellow (61%)

Blue (56%)

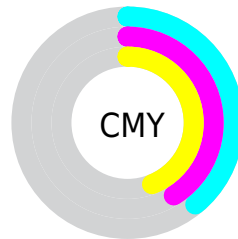


Cyan (0%)

Magenta (3%)

Yellow (9%)

Black (39%)



Cyan (39%)

Magenta (41%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1541, 0.3264, 0.3429 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 31.1541, 0.3264, 0.3429 by changing the saturation by 10% instead.

■ 31.1541, 0.3264,
0.3429

■ 31.1541, 0.3264,
0.3429

■ 307.2476, 0.3191,
0.3355

■ 20.7162, 0.3284,
0.3449

■ 61.4826, 0.3236,
0.3401

■ 12.9167, 0.3311,
0.3476

■ 82.1420, 0.3226,
0.3391

■ 7.3712, 0.3348,
0.3514

■ 106.9774, 0.3218,
0.3382

■ 3.6953, 0.3406,
0.3572

■ 136.3731, 0.3211,
0.3375

■ 1.5046, 0.3502,
0.3670

■ 170.7136, 0.3205,
0.3369

■ 0.2920, 0.4910,
0.5090

■ 210.3833, 0.3200,

■ 0.0000, 0.0000,

0.3364

0.0000

255.7665, 0.3195,
0.3359

■ 31.1541, 0.3264,
0.3429

■ 31.1541, 0.3264,
0.3429

■ 28.9790, 0.3432,
0.3592

■ 33.4812, 0.3112,
0.3274

■ 26.9479, 0.3617,
0.3758

■ 35.9598, 0.2976,
0.3129

■ 25.0581, 0.3815,
0.3924

■ 38.5947, 0.2854,
0.2993

■ 23.3053, 0.4024,
0.4083

■ 41.3895, 0.2746,
0.2868

■ 21.6850, 0.4238,
0.4224

■ 44.3472, 0.2650,
0.2754

■ 20.1921, 0.4448,
0.4338

■ 47.4710, 0.2565,
0.2649

■ 18.8210, 0.4644,
0.4414

■ 50.7640, 0.2489,
0.2552

■ 17.5656, 0.4816,
0.4444

■ 53.4467, 0.2480,
0.2582

■ 16.4140, 0.4963,
0.4431

■ 55.9782, 0.2490,
0.2650

Harmonies

Analogous

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



31.1541, 0.3296, 0.3382



31.1541, 0.3264, 0.3429



31.1541, 0.3196, 0.3439

Triad

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



31.1541, 0.3264, 0.3429



31.1541, 0.2975, 0.3265



31.1541, 0.3143, 0.3177

Complementary

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



31.1541, 0.3264, 0.3429



29.0071, 0.2993, 0.3147

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.



31.1541, 0.3058, 0.3146



31.1541, 0.3264, 0.3429



31.1541, 0.2962, 0.3195

Square

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



31.1541, 0.3264, 0.3429



31.1541, 0.3029, 0.3344



31.1541, 0.2991, 0.3152



31.1541, 0.3225, 0.3237

Rectangle

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



31.1541, 0.3264, 0.3429



31.1541, 0.3139, 0.3422



31.1541, 0.2991, 0.3152



31.1541, 0.3114, 0.3163

Sweetspot

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



31.1555, 0.3264, 0.3429



59.0695, 0.3172, 0.3337



28.5246, 0.3226, 0.3211



12.9257, 0.3184, 0.3349



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.



31.1555, 0.3264, 0.3429



55.6928, 0.3301, 0.3465



32.5992, 0.3237, 0.3505



7.3239, 0.3269, 0.3434



13.4972, 0.4971, 0.4435



0.3184, 0.4595, 0.4733

Inverse Universe

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



29.0071, 0.2993, 0.3147



50.8722, 0.2957, 0.3108



27.6664, 0.3011, 0.3068



6.8013, 0.2988, 0.3142



4.3167, 0.1659, 0.1172



0.1532, 0.1875, 0.1950

Previews

White Background



This preview shows how the Yxy color 31.1541, 0.3264, 0.3429 looks on a white background.

Color Contrast Check

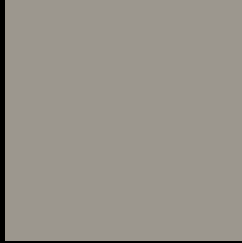
Large Text (above 18pt) WCAG AA × Fail

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 31.1541, 0.3264, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

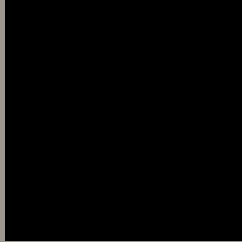
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

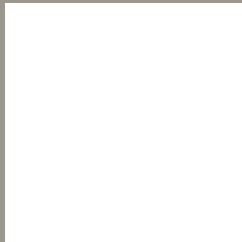
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.1541, 0.3264, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 31.1541, 0.3264, 0.3429.



This preview shows how white text looks on a background with the Yxy color 31.1541, 0.3264, 0.3429.

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

31.1541, 0.3264, 0.3429

Protanopia

31.1541, 0.3264, 0.3429

Deuteranopia

30.9760, 0.3402, 0.3335



Tritanopia

31.0888, 0.3125, 0.3111

Trichromacy



Original Color

31.1541, 0.3264, 0.3429

Protanomaly

31.1541, 0.3264, 0.3429

Deuteranomaly

31.0555, 0.3344, 0.3366

Tritanomaly

31.0639, 0.3181, 0.3230

Monochromacy



Original Color

31.1541, 0.3264, 0.3429

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0436, 0.3176, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1541, 0.3264, 0.3429 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(156, 151, 142)` looks like.

```
.text, #text, p{  
    color:rgb(156, 151, 142)  
}
```

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(156, 151, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 151, 142) }
```

Border

The CSS property to change the border of an element to Yxy 31.1541, 0.3264, 0.3429 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(156, 151, 142) }
```

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

```
.border{ border-color:rgb(156, 151, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 151, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 151, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 151, 142); box-shadow:4px 4px 4px 4px rgb(156, 151, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1541, 0.3264, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 151, 142) }
```

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

```
.background{ background-color: rgb(156,  
151, 142) }
```

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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