

Converting Colors

$Y_{xy}(32.8490, 0.3162, 0.3381)$

Have a look what the booklet for
Yxy(32.8490, 0.3162, 0.3381)
contains.

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Color

Yxy(32.8490, 0.3162, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	9A9C96
RGB	154, 156, 150
RGB Percent	60%, 61%, 59%
CMY	0.3961, 0.3882, 0.4116
CMYK	0.01, 0.00, 0.04, 0.39
HSL	80°, 3%, 60%
HSV	80°, 4%, 61%
XYZ	30.7212, 32.8490, 33.5874
YIQ	154.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

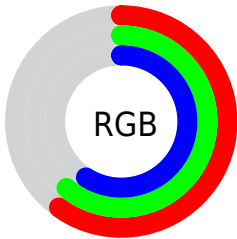
Format	Color
RYB	150, 156, 152
Decimal	10132630
CIELab	64.04, -1.85, 2.86
CIELCh	64, 3.410, 122.939
Yxy	32.8490, 0.3162, 0.3381
Android (android.graphics.Color)	4288322710 (0xFF9A9C96)
YUV	154.7180, -2.3260, -0.6297
Hunter-Lab	57.3140, -4.6207, 5.3745

Details

The Yxy color **32.8490, 0.3162, 0.3381** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9012, 0.3091, 0.3198**, and the grayscale version is **32.6587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8627, 0.3154, 0.3359**, and **13.8876, 0.3177, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **31.8780, 0.3254, 0.3630**, and if you desaturate by 10%, it is **33.9121, 0.3072, 0.3149**.

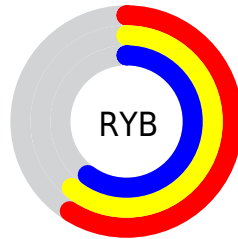
Distribution



Red (60%)

Green (61%)

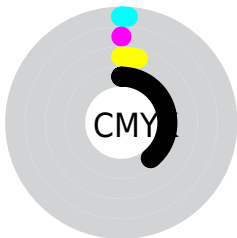
Blue (59%)



Red (59%)

Yellow (61%)

Blue (60%)

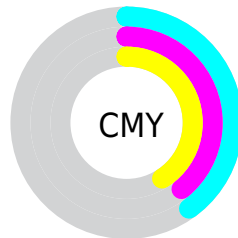


Cyan (1%)

Magenta (0%)

Yellow (4%)

Black (39%)



Cyan (40%)


Magenta (39%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8490, 0.3162, 0.3381 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 32.8490, 0.3162, 0.3381 by changing the saturation by 10% instead.


 32.8490, 0.3162,
0.3381


 32.8490, 0.3162,
0.3381


314.9688, 0.3144,
0.3333

 22.0108, 0.3167,
0.3394


 64.1397, 0.3155,
0.3363

 13.8648, 0.3173,
0.3412


 85.3610, 0.3153,
0.3356

 8.0267, 0.3182,
0.3436

110.8121, 0.3150,
0.3351

 4.1120, 0.3196,
0.3473

140.8774, 0.3149,
0.3346

 1.7364, 0.3218,
0.3536

175.9414, 0.3147,
0.3342

 0.4471, 0.3410,
0.4015

216.3883, 0.3146,

 0.0000, 0.0000,

0.3338

0.0000

262.6026, 0.3145,
0.3335

■ 32.8490, 0.3162,
0.3381

■ 32.8490, 0.3162,
0.3381

■ 31.8780, 0.3254,
0.3630

■ 33.9121, 0.3072,
0.3149

■ 30.9921, 0.3345,
0.3894

■ 35.0660, 0.2985,
0.2936

■ 30.1894, 0.3433,
0.4165

■ 36.3145, 0.2903,
0.2741

■ 29.4669, 0.3512,
0.4438

■ 37.6603, 0.2826,
0.2565

■ 28.8208, 0.3578,
0.4702

■ 39.1057, 0.2755,
0.2407

■ 28.2474, 0.3627,
0.4945

■ 40.6530, 0.2689,
0.2265

■ 27.7423, 0.3655,
0.5156

■ 42.0290, 0.2655,
0.2173

■ 27.3006, 0.3659,
0.5324

■ 42.7186, 0.2695,
0.2185

■ 26.9165, 0.3639,
0.5445

■ 43.4326, 0.2735,
0.2198

Harmonies

Analogous

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



32.8490, 0.3207, 0.3379



32.8490, 0.3162, 0.3381



32.8490, 0.3108, 0.3358

Triad

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



32.8490, 0.3162, 0.3381



32.8490, 0.3025, 0.3226



32.8490, 0.3195, 0.3264

Complementary

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



32.8490, 0.3162, 0.3381



30.9012, 0.3091, 0.3198

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.



32.8490, 0.3146, 0.3224



32.8490, 0.3162, 0.3381



32.8490, 0.3048, 0.3202

Square

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



32.8490, 0.3162, 0.3381



32.8490, 0.3029, 0.3268



32.8490, 0.3092, 0.3201



32.8490, 0.3226, 0.3311

Rectangle

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



32.8490, 0.3162, 0.3381



32.8490, 0.3074, 0.3331



32.8490, 0.3092, 0.3201



32.8490, 0.3180, 0.3249

Sweetspot

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



32.8504, 0.3162, 0.3381



60.1889, 0.3136, 0.3314



31.7342, 0.3186, 0.3320



13.2468, 0.3136, 0.3313



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.



32.8504, 0.3162, 0.3381



59.4306, 0.3174, 0.3412



32.5623, 0.3133, 0.3382



7.6946, 0.3178, 0.3423



22.0107, 0.3625, 0.5504



0.4158, 0.3864, 0.5314

Inverse Universe

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



30.9012, 0.3091, 0.3198



54.7548, 0.3079, 0.3167



31.1917, 0.3121, 0.3199



7.0363, 0.3075, 0.3156



2.6039, 0.1767, 0.0747



0.0685, 0.2214, 0.0993

Previews

White Background



This preview shows how the Yxy color 32.8490, 0.3162, 0.3381 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 32.8490, 0.3162, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

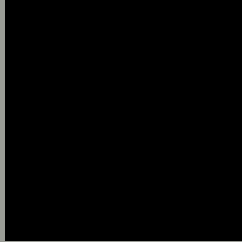
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8490, 0.3162, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 32.8490, 0.3162, 0.3381.



This preview shows how white text looks on a background with the Yxy color 32.8490, 0.3162, 0.3381.

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

32.8490, 0.3162, 0.3381

Protanopia

32.6521, 0.3224, 0.3366

Deuteranopia

32.7050, 0.3334, 0.3276



Tritanopia

32.9323, 0.3038, 0.3112

Trichromacy



Original Color

32.8490, 0.3162, 0.3381

Protanomaly

32.7807, 0.3203, 0.3381

Deuteranomaly

32.6902, 0.3269, 0.3305

Tritanomaly

32.9493, 0.3082, 0.3215

Monochromacy



Original Color

32.8490, 0.3162, 0.3381

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.7112, 0.3146, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8490, 0.3162, 0.3381 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(154, 156, 150)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 150)  
}
```

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(154, 156, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 150) }
```

Border

The CSS property to change the border of an element to Yxy 32.8490, 0.3162, 0.3381 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(154, 156, 150) }
```

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

```
.border{ border-color:rgb(154, 156, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 150);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8490, 0.3162, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 150) }
```

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

```
.background{ background-color: rgb(154,  
156, 150) }
```

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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