

Converting Colors

$Y_{xy}(32.6535, 0.3166, 0.3272)$

Have a look what the booklet for
Yxy(32.6535, 0.3166, 0.3272)
contains.

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Color

Yxy(32.8487, 0.3168, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	9F9A9B
RGB	159, 154, 155
RGB Percent	62%, 60%, 61%
CMY	0.3763, 0.3961, 0.3921
CMYK	0.00, 0.03, 0.03, 0.38
HSL	348°, 3%, 61%
HSV	348°, 3%, 62%
XYZ	31.7755, 32.8487, 35.6772
YIQ	155.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

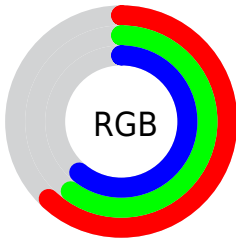
Format	Color
R_{YB}	159, 154, 155
Decimal	10459803
CIE Lab	64.04, 2.03, 0.12
CIE LCh	64, 2.031, 3.250
Yxy	32.8487, 0.3168, 0.3275
Android (android.graphics.Color)	4288649883 (0xFF9F9A9B)
YUV	155.6090, -0.3002, 2.9739
Hunter-Lab	57.3138, -1.3365, 3.2123

Details

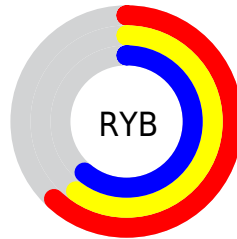
The Yxy color **32.8487, 0.3168, 0.3275** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1476, 0.3088, 0.3305**, and the grayscale version is **33.0657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0113, 0.3165, 0.3279**, and **13.8881, 0.3185, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **27.5388, 0.3316, 0.3226**, and if you desaturate by 10%, it is **38.9019, 0.3048, 0.3321**.

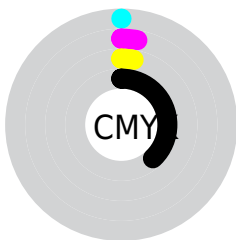
Distribution



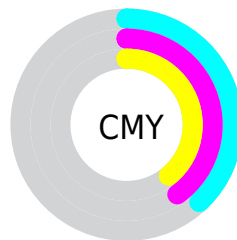
- Red (62%)
- Green (60%)
- Blue (61%)



- Red (62%)
- Yellow (60%)
- Blue (61%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (38%)



- Cyan (38%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8487, 0.3168, 0.3275 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 32.8487, 0.3168, 0.3275 by changing the saturation by 10% instead.

■ 32.8487, 0.3168,
0.3275

■ 32.8487, 0.3168,
0.3275

314.9674, 0.3146,
0.3283

■ 22.0106, 0.3174,
0.3273

■ 64.1392, 0.3160,
0.3278

■ 13.8647, 0.3182,
0.3270

■ 85.3604, 0.3157,
0.3279

■ 8.0266, 0.3192,
0.3266

110.8114, 0.3154,
0.3280

■ 4.1120, 0.3209,
0.3260

140.8766, 0.3152,
0.3281

■ 1.7364, 0.3236,
0.3249

175.9405, 0.3151,
0.3282

■ 0.4471, 0.3388,
0.3193

216.3873, 0.3149,

■ 0.0000, 0.0000,

0.3282

0.0000

262.6014, 0.3148,
0.3283

■ 32.8487, 0.3168,
0.3275

■ 32.8487, 0.3168,
0.3275

■ 27.5388, 0.3316,
0.3226

■ 38.9019, 0.3048,
0.3321

■ 22.9395, 0.3498,
0.3173

■ 45.7213, 0.2950,
0.3363

■ 19.0219, 0.3721,
0.3120

■ 53.3337, 0.2870,
0.3401

■ 15.7533, 0.3992,
0.3068

■ 61.7637, 0.2804,
0.3436

■ 13.0985, 0.4314,
0.3023

■ 71.0346, 0.2750,
0.3468

■ 11.0189, 0.4684,
0.2992

■ 81.1689, 0.2704,
0.3497

■ 9.4716, 0.5085,
0.2984

■ 85.4271, 0.2651,
0.3411

■ 8.4073, 0.5486,
0.3006

■ 86.1147, 0.2601,
0.3288

■ 7.7679, 0.5842,
0.3063

Harmonies

Analogous

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



32.8487, 0.3139, 0.3251



32.8487, 0.3168, 0.3275



32.8487, 0.3186, 0.3303

Triad

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



32.8487, 0.3168, 0.3275



32.8487, 0.3148, 0.3344



32.8487, 0.3066, 0.3252

Complementary

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



32.8487, 0.3168, 0.3275



34.1476, 0.3088, 0.3305

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.



32.8487, 0.3069, 0.3277



32.8487, 0.3168, 0.3275



32.8487, 0.3116, 0.3330

Square

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



32.8487, 0.3168, 0.3275



32.8487, 0.3175, 0.3343



32.8487, 0.3087, 0.3305



32.8487, 0.3080, 0.3237

Rectangle

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



32.8487, 0.3168, 0.3275



32.8487, 0.3190, 0.3321



32.8487, 0.3087, 0.3305



32.8487, 0.3065, 0.3259

Sweetspot

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



32.8501, 0.3168, 0.3275



61.0200, 0.3140, 0.3285



32.8766, 0.3120, 0.3215



13.7709, 0.3139, 0.3286



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.8501, 0.3168, 0.3275



57.8882, 0.3180, 0.3271



33.2908, 0.3176, 0.3311



7.2301, 0.3188, 0.3268



5.9087, 0.6029, 0.3095



0.1108, 0.5117, 0.2592

Inverse Universe

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



32.8501, 0.3168, 0.3275



57.8882, 0.3180, 0.3271



33.6938, 0.3080, 0.3268



7.2301, 0.3188, 0.3268



5.9087, 0.6029, 0.3095



0.1108, 0.5117, 0.2592

Previews

White Background



This preview shows how the Yxy color 32.8487, 0.3168, 0.3275 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 32.8487, 0.3168, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

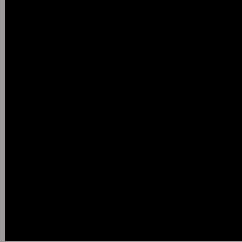
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

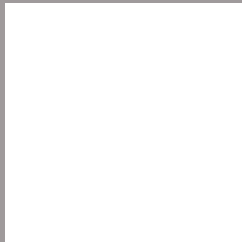
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8487, 0.3168, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 32.8487, 0.3168, 0.3275.

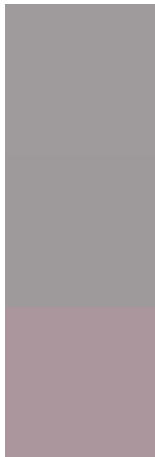


This preview shows how white text looks on a background with the Yxy color 32.8487, 0.3168, 0.3275.

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

32.8487, 0.3168, 0.3275

Protanopia

32.7469, 0.3158, 0.3275

Deuteranopia

32.7590, 0.3275, 0.3204



Tritanopia

32.9727, 0.3086, 0.3114

Trichromacy



Original Color

32.8487, 0.3168, 0.3275

Protanomaly

32.7469, 0.3158, 0.3275

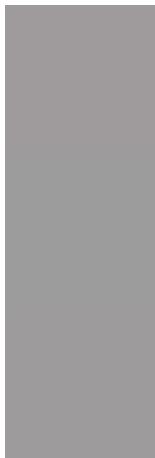
Deuteranomaly

32.6405, 0.3232, 0.3217

Tritanomaly

32.8293, 0.3123, 0.3172

Monochromacy



Original Color

32.8487, 0.3168, 0.3275

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.0111, 0.3138, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8487, 0.3168, 0.3275 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(159, 154, 155)` looks like.

```
.text, #text, p{  
    color:rgb(159, 154, 155)  
}
```

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(159, 154, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 154, 155) }
```

Border

The CSS property to change the border of an element to Yxy 32.8487, 0.3168, 0.3275 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(159, 154, 155) }
```

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

```
.border{ border-color:rgb(159, 154, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 154, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 154, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 154, 155);  
box-shadow:4px 4px 4px 4px rgb(159, 154,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8487, 0.3168, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 154, 155) }
```

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

```
.background{ background-color: rgb(159,  
154, 155) }
```

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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