

Converting Colors

$Y_{xy}(32.1700, 0.3128, 0.3267)$

Have a look what the booklet for
Yxy(32.1700, 0.3128, 0.3267)
contains.

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Color

Yxy(32.1176, 0.3129, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	9B999B
RGB	155, 153, 155
RGB Percent	61%, 60%, 61%
CMY	0.3921, 0.4000, 0.3922
CMYK	0.00, 0.01, 0.00, 0.39
HSL	301°, 1%, 60%
HSV	301°, 1%, 61%
XYZ	30.8270, 32.1176, 35.5757
YIQ	153.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

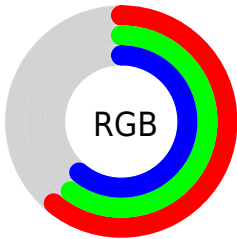
Format	Color
RYB	155, 153, 155
Decimal	10197403
CIELab	63.44, 1.12, -0.79
CIELCh	63, 1.367, 324.927
Yxy	32.1176, 0.3129, 0.3260
Android (android.graphics.Color)	4288387483 (0xFF9B999B)
YUV	153.8260, 0.5788, 1.0296
Hunter-Lab	56.6724, -2.0815, 2.4518

Details

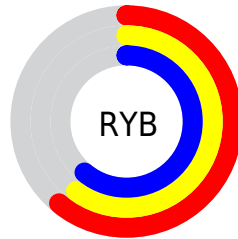
The Yxy color **32.1176, 0.3129, 0.3260** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.5240, 0.3125, 0.3320**, and the grayscale version is **32.2333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7844, 0.3128, 0.3267**, and **13.4453, 0.3129, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **27.3585, 0.3144, 0.3026**, and if you desaturate by 10%, it is **37.5388, 0.3115, 0.3485**.

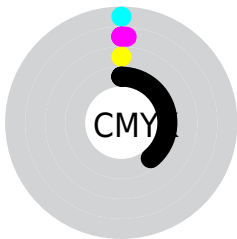
Distribution



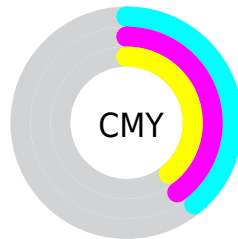
- Red (61%)
- Green (60%)
- Blue (61%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (39%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1176, 0.3129, 0.3260 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 32.1176, 0.3129, 0.3260 by changing the saturation by 10% instead.

■ 32.1176, 0.3129,
0.3260

■ 32.1176, 0.3129,
0.3260

■ 311.6546, 0.3128,
0.3276

■ 21.4513, 0.3129,
0.3256

■ 62.9954, 0.3129,
0.3266

■ 13.4543, 0.3130,
0.3250

■ 83.9757, 0.3129,
0.3268

■ 7.7421, 0.3130,
0.3242

■ 109.1629, 0.3128,
0.3270

■ 3.9304, 0.3131,
0.3230

■ 138.9412, 0.3128,
0.3272

■ 1.6347, 0.3132,
0.3209

■ 173.6952, 0.3128,
0.3273

■ 0.3808, 0.3140,
0.3072

■ 213.8091, 0.3128,

■ 0.0000, 0.0000,

0.3274

0.0000

259.6675, 0.3128,
0.3275

■ 32.1176, 0.3129,
0.3260

■ 32.1176, 0.3129,
0.3260

■ 27.3585, 0.3144,
0.3026

■ 37.5388, 0.3115,
0.3485

■ 23.2322, 0.3159,
0.2786

■ 43.6418, 0.3103,
0.3696

■ 19.7132, 0.3175,
0.2549

■ 50.4506, 0.3092,
0.3893

■ 16.7728, 0.3191,
0.2321

■ 57.9869, 0.3081,
0.4075

■ 14.3799, 0.3207,
0.2111

■ 66.2714, 0.3072,
0.4240

■ 12.5005, 0.3222,
0.1928

■ 75.3239, 0.3064,
0.4391

■ 11.0970, 0.3235,
0.1780

■ 80.9356, 0.3059,
0.4470

■ 10.1263, 0.3246,
0.1673

■ 80.9470, 0.3058,
0.4466

■ 9.5378, 0.3256,
0.1606

■ 80.9584, 0.3056,
0.4462

Harmonies

Analogous

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



32.1176, 0.3108, 0.3253



32.1176, 0.3129, 0.3260



32.1176, 0.3150, 0.3275

Triad

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



32.1176, 0.3129, 0.3260



32.1176, 0.3163, 0.3324



32.1176, 0.3090, 0.3286

Complementary

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



32.1176, 0.3129, 0.3260



32.5240, 0.3125, 0.3320

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.



32.1176, 0.3105, 0.3306



32.1176, 0.3129, 0.3260



32.1176, 0.3147, 0.3328

Square

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



32.1176, 0.3129, 0.3260



32.1176, 0.3170, 0.3312



32.1176, 0.3125, 0.3321



32.1176, 0.3085, 0.3268

Rectangle

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



32.1176, 0.3129, 0.3260



32.1176, 0.3161, 0.3287



32.1176, 0.3125, 0.3321



32.1176, 0.3094, 0.3293

Sweetspot

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



32.1190, 0.3129, 0.3260



58.7016, 0.3127, 0.3290



31.9251, 0.3109, 0.3259



13.2868, 0.3127, 0.3290



78.7412, 0.3127, 0.3290

Same Dimension

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



32.1190, 0.3129, 0.3260



56.8381, 0.3130, 0.3243



32.0854, 0.3138, 0.3275



7.1135, 0.3130, 0.3248



7.4104, 0.3262, 0.1571



0.1114, 0.3237, 0.1557

Inverse Universe

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



32.1190, 0.3129, 0.3260



56.8381, 0.3130, 0.3243



32.5573, 0.3116, 0.3305



7.1135, 0.3130, 0.3248



7.4104, 0.3262, 0.1571



0.1114, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 32.1176, 0.3129, 0.3260 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 32.1176, 0.3129, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

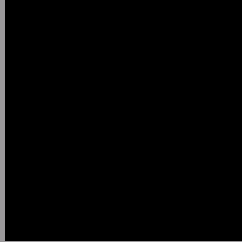
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

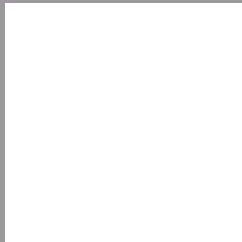
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1176, 0.3129, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 32.1176, 0.3129, 0.3260.



This preview shows how white text looks on a background with the Yxy color 32.1176, 0.3129, 0.3260.

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

32.1176, 0.3129, 0.3260

Protanopia

32.2169, 0.3139, 0.3260

Deuteranopia

32.1107, 0.3245, 0.3188



Tritanopia

32.2047, 0.3057, 0.3111

Trichromacy



Original Color

32.1176, 0.3129, 0.3260

Protanomaly

32.2169, 0.3139, 0.3260

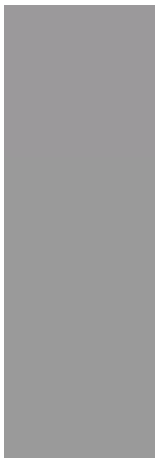
Deuteranomaly

31.9995, 0.3203, 0.3201

Tritanomaly

32.0976, 0.3084, 0.3155

Monochromacy



Original Color

32.1176, 0.3129, 0.3260

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3143, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1176, 0.3129, 0.3260 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(155, 153, 155)` looks like.

```
.text, #text, p{  
    color:rgb(155, 153, 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(155, 153, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 153, 155) }
```

Border

The CSS property to change the border of an element to Yxy 32.1176, 0.3129, 0.3260 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(155, 153, 155) }
```

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

```
.border{ border-color:rgb(155, 153, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 153, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 153, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 153, 155);  
box-shadow:4px 4px 4px 4px rgb(155, 153,  
155) }
```

Background

The CSS property to change the background color of an element to Yxy 32.1176, 0.3129, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 153, 155) }
```

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

```
.background{ background-color: rgb(155,  
153, 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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