

Converting Colors

$Y_{xy}(31.7284, 0.3266, 0.3202)$

Have a look what the booklet for
Yxy(31.7284, 0.3266, 0.3202)
contains.

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Color

Yxy(31.7284, 0.3266, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	A7949A
RGB	167, 148, 154
RGB Percent	65%, 58%, 60%
CMY	0.3450, 0.4196, 0.3960
CMYK	0.00, 0.11, 0.08, 0.35
HSL	341°, 10%, 62%
HSV	341°, 11%, 65%
XYZ	32.3626, 31.7284, 34.9983
YIQ	154.3650, 9.3980, 5.8940

Conversions

Conversions Part 2

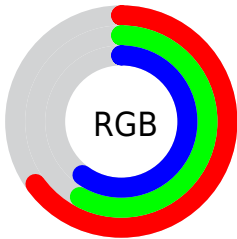
Format	Color
RYB	167, 148, 154
Decimal	10982554
CIELab	63.12, 8.12, -0.59
CIElCh	63, 8.141, 355.832
Yxy	31.7284, 0.3266, 0.3202
Android (android.graphics.Color)	4289172634 (0xFFA7949A)
YUV	154.3650, -0.1799, 11.0809
Hunter-Lab	56.3280, 3.9811, 2.5908

Details

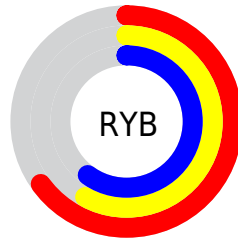
The Yxy color **31.7284, 0.3266, 0.3202** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.5118, 0.3005, 0.3380**, and the grayscale version is **32.4831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3247, 0.3239, 0.3223**, and **13.1735, 0.3315, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **26.5005, 0.3417, 0.3120**, and if you desaturate by 10%, it is **37.7512, 0.3142, 0.3280**.

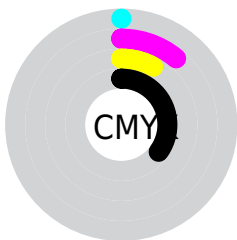
Distribution



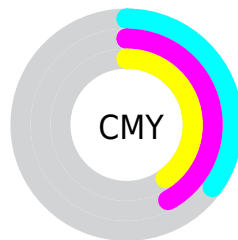
- Red (65%)
- Green (58%)
- Blue (60%)



- Red (65%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (8%)
- Black (35%)



- Cyan (35%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7284, 0.3266, 0.3202 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 31.7284, 0.3266, 0.3202 by changing the saturation by 10% instead.

 31.7284, 0.3266,
0.3202


 31.7284, 0.3266,
0.3202


309.8802, 0.3192,
0.3249

 21.1541, 0.3286,
0.3189


 62.3851, 0.3238,
0.3220

 13.2367, 0.3313,
0.3172


 83.2362, 0.3228,
0.3226

 7.5918, 0.3350,
0.3149


108.2819, 0.3219,
0.3231

 3.8348, 0.3407,
0.3113

137.9063, 0.3212,
0.3236

 1.5816, 0.3503,
0.3054

172.4940, 0.3206,
0.3240

 0.3452, 0.4084,
0.2679


212.4292, 0.3201,


 0.0000, 0.0000,


0.3243


0.0000


258.0965, 0.3196,
0.3246


 31.7284, 0.3266,
0.3202

 31.7284, 0.3266,
0.3202


 26.5005, 0.3417,
0.3120


 37.7512, 0.3142,
0.3280

 22.0302, 0.3601,
0.3035


 44.5961, 0.3041,
0.3352

 18.2832, 0.3822,
0.2952

 52.2939, 0.2959,
0.3418

 15.2210, 0.4085,
0.2876

 60.8727, 0.2891,
0.3479

 12.8016, 0.4388,
0.2815

 70.3594, 0.2834,
0.3534

■ 10.9783, 0.4725,
0.2781

■ 80.7796, 0.2788,
0.3585

■ 9.6978, 0.5077,
0.2786

■ 85.6726, 0.2738,
0.3525

■ 8.8974, 0.5416,
0.2836

■ 86.3495, 0.2683,
0.3396

■ 8.4732, 0.5684,
0.2905

■ 86.9572, 0.2638,
0.3289

Harmonies

Analogous

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



31.7284, 0.3140, 0.3115



31.7284, 0.3266, 0.3202



31.7284, 0.3355, 0.3312

Triad

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



31.7284, 0.3266, 0.3202



31.7284, 0.3239, 0.3516



31.7284, 0.2878, 0.3154

Complementary

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



31.7284, 0.3266, 0.3202



36.5118, 0.3005, 0.3380

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.



31.7284, 0.2904, 0.3261



31.7284, 0.3266, 0.3202



31.7284, 0.3110, 0.3474

Square

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



31.7284, 0.3266, 0.3202



31.7284, 0.3339, 0.3495



31.7284, 0.2988, 0.3380



31.7284, 0.2918, 0.3086

Rectangle

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



31.7284, 0.3266, 0.3202



31.7284, 0.3381, 0.3386



31.7284, 0.2988, 0.3380



31.7284, 0.2880, 0.3186

Sweetspot

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



31.7298, 0.3266, 0.3202



65.6979, 0.3161, 0.3267



31.5458, 0.3080, 0.3011



14.5038, 0.3171, 0.3261



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.7298, 0.3266, 0.3202



53.9883, 0.3306, 0.3179



32.6445, 0.3320, 0.3342



7.5800, 0.3238, 0.3219



6.4905, 0.5659, 0.2891



0.1671, 0.4748, 0.2389

Inverse Universe

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



31.7298, 0.3266, 0.3202



53.9883, 0.3306, 0.3179



35.4689, 0.2956, 0.3238



7.5800, 0.3238, 0.3219



6.4905, 0.5659, 0.2891



0.1671, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 31.7284, 0.3266, 0.3202 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 31.7284, 0.3266, 0.3202 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 31.7284, 0.3266, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 31.7284, 0.3266, 0.3202.



This preview shows how white text looks on a background with the Yxy color 31.7284, 0.3266, 0.3202.

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

31.7284, 0.3266, 0.3202

Protanopia

31.7268, 0.3110, 0.3229

Deuteranopia

31.7284, 0.3266, 0.3202



Tritanopia

31.6955, 0.3228, 0.3116

Trichromacy



Original Color

31.7284, 0.3266, 0.3202

Protanomaly

31.8707, 0.3170, 0.3230

Deuteranomaly

31.7284, 0.3266, 0.3202

Tritanomaly

31.6266, 0.3248, 0.3145

Monochromacy



Original Color

31.7284, 0.3266, 0.3202

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.1605, 0.3179, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7284, 0.3266, 0.3202 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(167, 148, 154)` looks like.

```
.text, #text, p{  
    color:rgb(167, 148, 154)  
}
```

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(167, 148, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 148, 154) }
```

Border

The CSS property to change the border of an element to Yxy 31.7284, 0.3266, 0.3202 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(167, 148, 154) }
```

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

```
.border{ border-color:rgb(167, 148, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 148, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 148, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 148, 154);  
box-shadow:4px 4px 4px 4px rgb(167, 148,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7284, 0.3266, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 148, 154) }
```

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

```
.background{ background-color: rgb(167,  
148, 154) }
```

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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