

Converting Colors

$Yxy(31.6786, 0.2917, 0.3213)$

Have a look what the booklet for
Yxy(31.6786, 0.2917, 0.3213)
contains.

Yxy(31.7534, 0.2913, 0.3211)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.7534, 0.2913, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	8A9CA1
RGB	138, 156, 161
RGB Percent	54%, 61%, 63%
CMY	0.4587, 0.3883, 0.3686
CMYK	0.14, 0.03, 0.00, 0.37
HSL	193°, 11%, 59%
HSV	193°, 14%, 63%
XYZ	28.8065, 31.7534, 38.3295
YIQ	151.1880, -12.3330, -2.2610

Conversions

Conversions Part 2

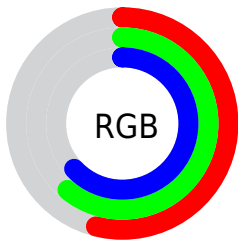
Format	Color
RYB	138, 148, 161
Decimal	9084065
CIELab	63.14, -5.26, -4.77
CIElCh	63, 7.100, 222.225
Yxy	31.7534, 0.2913, 0.3211
Android (android.graphics.Color)	4287274145 (0xFF8A9CA1)
YUV	151.1880, 4.8373, -11.5659
Hunter-Lab	56.3502, -7.3626, -0.8841

Details

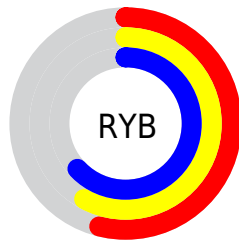
The Yxy color **31.7534, 0.2913, 0.3211** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0696, 0.3373, 0.3368**, and the grayscale version is **31.0177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2575, 0.2956, 0.3219**, and **13.3036, 0.2839, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **29.3205, 0.2767, 0.3149**, and if you desaturate by 10%, it is **34.4265, 0.3063, 0.3268**.

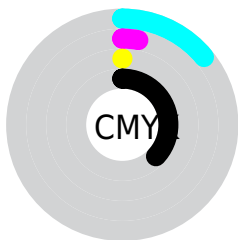
Distribution



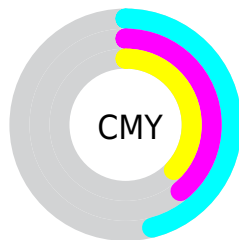
- Red (54%)
- Green (61%)
- Blue (63%)



- Red (54%)
- Yellow (58%)
- Blue (63%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (37%)



- Cyan (46%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7534, 0.2913, 0.3211 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 31.7534, 0.2913, 0.3211 by changing the saturation by 10% instead.

■ 31.7534, 0.2913,
0.3211

■ 31.7534, 0.2913,
0.3211

309.9944, 0.3026,
0.3254

■ 21.1732, 0.2882,
0.3199

■ 62.4243, 0.2956,
0.3227

■ 13.2507, 0.2842,
0.3183

■ 83.2838, 0.2971,
0.3233

■ 7.6014, 0.2785,
0.3160

■ 108.3385, 0.2984,
0.3238

■ 3.8410, 0.2700,
0.3124

137.9729, 0.2995,
0.3242

■ 1.5850, 0.2560,
0.3062

172.5712, 0.3005,
0.3246

■ 0.3475, 0.1601,
0.2755

212.5180, 0.3013,

■ 0.0000, 0.0000,

0.3249

0.0000

258.1976, 0.3020,
0.3252

■ 31.7534, 0.2913,
0.3211

■ 31.7534, 0.2913,
0.3211

■ 29.3205, 0.2767,
0.3149

■ 34.4265, 0.3063,
0.3268

■ 27.1148, 0.2627,
0.3083

■ 37.3446, 0.3214,
0.3319

■ 25.1276, 0.2496,
0.3012

■ 40.5172, 0.3363,
0.3365

■ 23.3482, 0.2378,
0.2938

■ 43.9519, 0.3509,
0.3406

■ 21.7650, 0.2275,
0.2861

■ 47.6563, 0.3651,
0.3442

■ 20.3649, 0.2189,
0.2782

■ 51.6375, 0.3787,
0.3473

■ 19.1328, 0.2122,
0.2704

■ 55.9022, 0.3918,
0.3501

■ 18.0508, 0.2074,
0.2625

■ 58.1431, 0.3941,
0.3535

■ 17.4720, 0.2050,
0.2580

■ 59.6200, 0.3927,
0.3571

Harmonies

Analogous

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



31.7534, 0.2960, 0.3313



31.7534, 0.2913, 0.3211



31.7534, 0.2922, 0.3134

Triad

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



31.7534, 0.2913, 0.3211



31.7534, 0.3201, 0.3175



31.7534, 0.3269, 0.3486

Complementary

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



31.7534, 0.2913, 0.3211



29.0696, 0.3373, 0.3368

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.



31.7534, 0.3336, 0.3444



31.7534, 0.2913, 0.3211



31.7534, 0.3296, 0.3265

Square

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



31.7534, 0.2913, 0.3211



31.7534, 0.3086, 0.3115



31.7534, 0.3346, 0.3363



31.7534, 0.3165, 0.3474

Rectangle

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



31.7534, 0.2913, 0.3211



31.7534, 0.2959, 0.3105



31.7534, 0.3346, 0.3363



31.7534, 0.3297, 0.3477

Sweetspot

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



31.7547, 0.2913, 0.3211



61.7493, 0.3066, 0.3269



32.8800, 0.3067, 0.3577



13.4639, 0.3055, 0.3265



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.



31.7547, 0.2913, 0.3211



55.4935, 0.2868, 0.3193



28.0897, 0.2907, 0.3027



7.7480, 0.2988, 0.3240



14.0153, 0.2052, 0.2587



0.3562, 0.2130, 0.2869

Inverse Universe

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



28.1635, 0.3194, 0.3020



47.9032, 0.3210, 0.2960



32.6878, 0.3349, 0.3540



7.1756, 0.3169, 0.3116



7.2590, 0.3837, 0.1887



0.1588, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 31.7534, 0.2913, 0.3211 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 31.7534, 0.2913, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

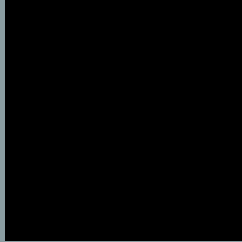
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

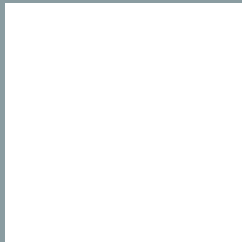
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7534, 0.2913, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 31.7534, 0.2913, 0.3211.



This preview shows how white text looks on a background with the Yxy color 31.7534, 0.2913, 0.3211.

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

31.7534, 0.2913, 0.3211

Protanopia

31.7951, 0.3092, 0.3199

Deuteranopia

31.6107, 0.3137, 0.3070



Tritanopia

31.7217, 0.2871, 0.3104

Trichromacy



Original Color

31.7534, 0.2913, 0.3211

Protanomaly

31.5816, 0.3023, 0.3198

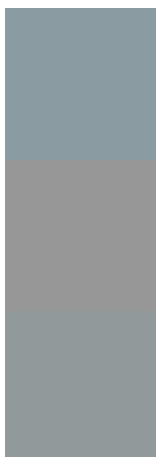
Deuteranomaly

31.6119, 0.3055, 0.3124

Tritanomaly

31.6483, 0.2888, 0.3134

Monochromacy



Original Color

31.7534, 0.2913, 0.3211

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.2600, 0.3040, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7534, 0.2913, 0.3211 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(138, 156, 161)` looks like.

```
.text, #text, p{  
  color:rgb(138, 156, 161)  
}
```

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(138, 156, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 156, 161) }
```

Border

The CSS property to change the border of an element to Yxy 31.7534, 0.2913, 0.3211 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(138, 156, 161) }
```

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

```
.border{ border-color:rgb(138, 156, 161) }
```

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

Here you see how a box with a 4 pixel rgb(138, 156, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 156, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 156, 161);  
box-shadow:4px 4px 4px 4px rgb(138, 156,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7534, 0.2913, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 156, 161) }
```

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

```
.background{ background-color: rgb(138,  
156, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor