

Converting Colors

$Y_{xy}(31.7285, 0.3136, 0.3714)$

Have a look what the booklet for
Yxy(31.7285, 0.3136, 0.3714)
contains.

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Color

Yxy(31.7240, 0.3136, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	889F85
RGB	136, 159, 133
RGB Percent	53%, 62%, 52%
CMY	0.4666, 0.3765, 0.4784
CMYK	0.14, 0.00, 0.16, 0.38
HSL	113°, 12%, 57%
HSV	113°, 16%, 62%
XYZ	26.7869, 31.7240, 26.9065
YIQ	149.1590, -5.3620, -12.9620

Conversions

Conversions Part 2

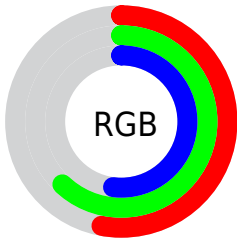
Format	Color
RYB	133, 159, 156
Decimal	8953733
CIELab	63.11, -13.19, 10.90
CIELCh	63, 17.112, 140.439
Yxy	31.7240, 0.3136, 0.3714
Android (android.graphics.Color)	4287143813 (0xFF889F85)
YUV	149.1590, -7.9664, -11.5404
Hunter-Lab	56.3241, -13.6752, 11.1035

Details

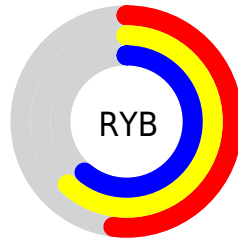
The Yxy color **31.7240, 0.3136, 0.3714** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **26.3506, 0.3113, 0.2892**, and the grayscale version is **30.1628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5855, 0.3140, 0.3630**, and **13.3281, 0.3139, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **30.2169, 0.3139, 0.4013**, and if you desaturate by 10%, it is **33.4550, 0.3131, 0.3445**.

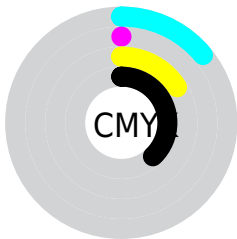
Distribution



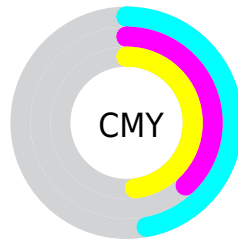
- Red (53%)
- Green (62%)
- Blue (52%)



- Red (52%)
- Yellow (62%)
- Blue (61%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)
- Black (38%)



- Cyan (47%)
- Magenta (38%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7240, 0.3136, 0.3714 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 31.7240, 0.3136, 0.3714 by changing the saturation by 10% instead.


 31.7240, 0.3136,
0.3714


 31.7240, 0.3136,
0.3714


309.8601, 0.3134,
0.3483


 21.1508, 0.3135,
0.3779


 62.3782, 0.3136,
0.3625

 13.2343, 0.3134,
0.3867


 83.2279, 0.3136,
0.3593

 7.5901, 0.3130,
0.3994


 108.2719, 0.3136,
0.3567

 3.8338, 0.3120,
0.4191

137.8946, 0.3135,
0.3545

 1.5810, 0.3097,
0.4547

172.4803, 0.3135,
0.3526

 0.3448, 0.0161,
0.9839

212.4136, 0.3135,

 0.0000, 0.0000,

0.3510

0.0000

258.0787, 0.3134,
0.3495

■ 31.7240, 0.3136,
0.3714

■ 31.7240, 0.3136,
0.3714

■ 30.2169, 0.3139,
0.4013

■ 33.4550, 0.3131,
0.3445

■ 28.9206, 0.3138,
0.4336

■ 35.4142, 0.3125,
0.3206

■ 27.8269, 0.3133,
0.4675


■ 37.6110, 0.3117,
0.2997

■ 26.9255, 0.3123,
0.5013


■ 40.0529, 0.3109,
0.2815

■ 26.2052, 0.3107,
0.5330


■ 42.7474, 0.3101,
0.2657

 25.6536, 0.3087,
0.5601


 45.7012, 0.3093,
0.2520

 25.2567, 0.3063,
0.5807

 48.9212, 0.3085,
0.2401

 24.9970, 0.3038,
0.5936

 52.0733, 0.3118,
0.2341

 24.9283, 0.3033,
0.5974

 53.2765, 0.3171,
0.2357

Harmonies

Analogous

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



31.7240, 0.3402, 0.3774



31.7240, 0.3136, 0.3714



31.7240, 0.2876, 0.3523

Triad

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



31.7240, 0.3136, 0.3714



31.7240, 0.2670, 0.2880



31.7240, 0.3585, 0.3286

Complementary

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



31.7240, 0.3136, 0.3714



26.3506, 0.3113, 0.2892

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.



31.7240, 0.3373, 0.3070



31.7240, 0.3136, 0.3714



31.7240, 0.2844, 0.2840

Square

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



31.7240, 0.3136, 0.3714



31.7240, 0.2614, 0.3032



31.7240, 0.3100, 0.2910



31.7240, 0.3669, 0.3512

Rectangle

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



31.7240, 0.3136, 0.3714



31.7240, 0.2739, 0.3354



31.7240, 0.3100, 0.2910



31.7240, 0.3526, 0.3211

Sweetspot

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



31.7254, 0.3136, 0.3714



60.3297, 0.3130, 0.3413



32.8313, 0.3373, 0.3641



13.5515, 0.3131, 0.3430



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.



31.7254, 0.3136, 0.3714



55.6795, 0.3137, 0.3831



31.7666, 0.3021, 0.3550



7.4359, 0.3133, 0.3520



19.6992, 0.3036, 0.5972



0.3616, 0.3190, 0.5849

Inverse Universe

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



26.3506, 0.3113, 0.2892



44.0070, 0.3108, 0.2791



26.3211, 0.3251, 0.3043



6.7158, 0.3120, 0.3068



6.4386, 0.2926, 0.1386



0.1250, 0.3047, 0.1452

Previews

White Background



This preview shows how the Yxy color 31.7240, 0.3136, 0.3714 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 31.7240, 0.3136, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

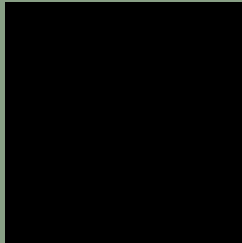
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

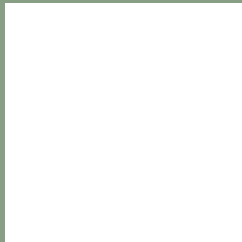
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7240, 0.3136, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 31.7240, 0.3136, 0.3714.



This preview shows how white text looks on a background with the Yxy color 31.7240, 0.3136, 0.3714.

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

31.7240, 0.3136, 0.3714

Protanopia

31.5418, 0.3423, 0.3628

Deuteranopia

31.5009, 0.3527, 0.3467



Tritanopia

31.5639, 0.2889, 0.3089

Trichromacy



Original Color

31.7240, 0.3136, 0.3714

Protanomaly

31.6607, 0.3311, 0.3668

Deuteranomaly

31.3280, 0.3385, 0.3551

Tritanomaly

31.6325, 0.2973, 0.3305

Monochromacy



Original Color

31.7240, 0.3136, 0.3714

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.6949, 0.3130, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7240, 0.3136, 0.3714 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(136, 159, 133)` looks like.

```
.text, #text, p{  
    color:rgb(136, 159, 133)  
}
```

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(136, 159, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 159, 133) }
```

Border

The CSS property to change the border of an element to Yxy 31.7240, 0.3136, 0.3714 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(136, 159, 133) }
```

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

```
.border{ border-color:rgb(136, 159, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 159, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 159, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 159, 133);  
box-shadow:4px 4px 4px 4px rgb(136, 159,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7240, 0.3136, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 159, 133) }
```

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

```
.background{ background-color: rgb(136,  
159, 133) }
```

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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