

Converting Colors

$Yxy(31.1579, 0.3284, 0.4023)$

Have a look what the booklet for
Yxy(31.1579, 0.3284, 0.4023)
contains.

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Color

Yxy(31.1850, 0.3286, 0.4020)

Conversions

Conversions Part 1

Format	Color
Hex	879F73
RGB	135, 159, 115
RGB Percent	53%, 62%, 45%
CMY	0.4704, 0.3765, 0.5490
CMYK	0.15, 0.00, 0.28, 0.38
HSL	93°, 19%, 54%
HSV	93°, 28%, 62%
XYZ	25.4910, 31.1850, 20.8986
YIQ	146.8080, -0.1800, -18.7720

Conversions

Conversions Part 2

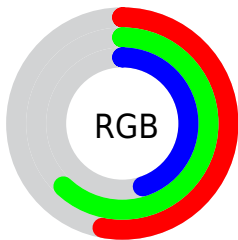
Format	Color
RYB	115, 159, 139
Decimal	8888179
CIELab	62.66, -16.62, 20.26
CIELCh	63, 26.207, 129.370
Yxy	31.1850, 0.3286, 0.4020
Android (android.graphics.Color)	4287078259 (0xFF879F73)
YUV	146.8080, -15.6813, -10.3556
Hunter-Lab	55.8435, -16.2459, 16.9021

Details

The Yxy color **31.1850, 0.3286, 0.4020** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.2518, 0.2923, 0.2571**, and the grayscale version is **29.1647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7020, 0.3262, 0.3870**, and **13.0617, 0.3321, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **30.1620, 0.3336, 0.4315**, and if you desaturate by 10%, it is **32.3322, 0.3231, 0.3739**.

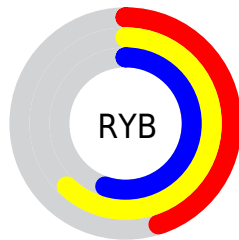
Distribution



Red (53%)

Green (62%)

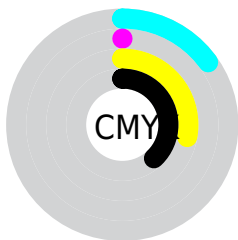
Blue (45%)



Red (45%)

Yellow (62%)

Blue (55%)

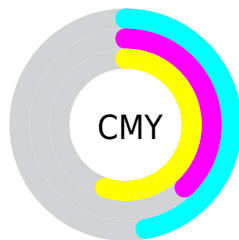


Cyan (15%)

Magenta (0%)

Yellow (28%)

Black (38%)



Cyan (47%)


Magenta (38%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1850, 0.3286, 0.4020 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 31.1850, 0.3286, 0.4020 by changing the saturation by 10% instead.


 31.1850, 0.3286,
0.4020

 31.1850, 0.3286,
0.4020


307.3897, 0.3209,
0.3619

 20.7398, 0.3303,
0.4134


 61.5312, 0.3259,
0.3865


 12.9339, 0.3324,
0.4288

 82.2010, 0.3249,
0.3809

 7.3831, 0.3346,
0.4510


 107.0477, 0.3240,
0.3763

 3.7028, 0.3365,
0.4853

 136.4558, 0.3232,
0.3725

 1.5087, 0.3648,
0.5920

170.8097, 0.3225,
0.3693

 0.2949, 0.0000,
1.0000

210.4937, 0.3219,

 0.0000, 0.0000,

0.3664

0.0000

255.8922, 0.3214,
0.3640

■ 31.1850, 0.3286,
0.4020

■ 31.1850, 0.3286,
0.4020

■ 30.1620, 0.3336,
0.4315

■ 32.3322, 0.3231,
0.3739

■ 29.2545, 0.3376,
0.4614

■ 33.6039, 0.3172,
0.3476

■ 28.4590, 0.3402,
0.4906

■ 35.0055, 0.3113,
0.3236

■ 27.7700, 0.3412,
0.5176

■ 36.5410, 0.3056,
0.3018

■ 27.1816, 0.3402,
0.5409

■ 38.2141, 0.3000,
0.2822

■ 26.6870, 0.3373,
0.5591

■ 40.0283, 0.2947,
0.2647

■ 26.2759, 0.3327,
0.5721

■ 41.9871, 0.2898,
0.2491

■ 26.1881, 0.3316,
0.5749

■ 44.0938, 0.2852,
0.2353

■ 46.1500, 0.2830,
0.2257

Harmonies

Analogous

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



31.1850, 0.3671, 0.4012



31.1850, 0.3286, 0.4020



31.1850, 0.2874, 0.3788

Triad

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



31.1850, 0.3286, 0.4020



31.1850, 0.2385, 0.2726



31.1850, 0.3733, 0.3150

Complementary

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



31.1850, 0.3286, 0.4020



20.2518, 0.2923, 0.2571

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.



31.1850, 0.3350, 0.2858



31.1850, 0.3286, 0.4020



31.1850, 0.2580, 0.2615

Square

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



31.1850, 0.3286, 0.4020



31.1850, 0.2372, 0.3003



31.1850, 0.2926, 0.2666



31.1850, 0.3946, 0.3488

Rectangle

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



31.1850, 0.3286, 0.4020



31.1850, 0.2640, 0.3535



31.1850, 0.2926, 0.2666



31.1850, 0.3618, 0.3045

Sweetspot

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



31.1864, 0.3286, 0.4020



60.0722, 0.3175, 0.3489



26.9194, 0.3613, 0.3663



13.4663, 0.3184, 0.3525



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.



31.1864, 0.3286, 0.4020



54.7389, 0.3316, 0.4195



29.7108, 0.3079, 0.4038



7.5417, 0.3182, 0.3516



20.7112, 0.3322, 0.5744



0.3952, 0.3644, 0.5489

Inverse Universe

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



20.2518, 0.2923, 0.2571



31.9424, 0.2868, 0.2402



22.0864, 0.3175, 0.2641



6.6042, 0.3068, 0.3065



3.5853, 0.2132, 0.0948



0.0891, 0.2562, 0.1185

Previews

White Background



This preview shows how the Yxy color 31.1850, 0.3286, 0.4020 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 31.1850, 0.3286, 0.4020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

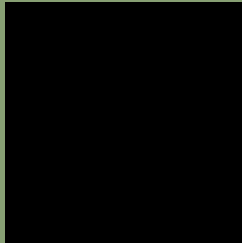
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1850, 0.3286, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 31.1850, 0.3286, 0.4020.



This preview shows how white text looks on a background with the Yxy color 31.1850, 0.3286, 0.4020.

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

31.1850, 0.3286, 0.4020

Protanopia

30.9623, 0.3637, 0.3905

Deuteranopia

30.9059, 0.3759, 0.3685



Tritanopia

31.3387, 0.2924, 0.3105

Trichromacy



Original Color

31.1850, 0.3286, 0.4020

Protanomaly

30.9565, 0.3506, 0.3956

Deuteranomaly

30.7784, 0.3581, 0.3798

Tritanomaly

31.1247, 0.3053, 0.3418

Monochromacy



Original Color

31.1850, 0.3286, 0.4020

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.7221, 0.3197, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1850, 0.3286, 0.4020 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(135, 159, 115)` looks like.

```
.text, #text, p{  
    color:rgb(135, 159, 115)  
}
```

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(135, 159, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 159, 115) }
```

Border

The CSS property to change the border of an element to Yxy 31.1850, 0.3286, 0.4020 is called "border". The border property can be set on classes, ids or directly on the HTML element.

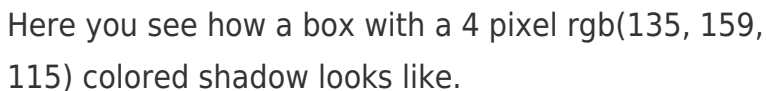
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 159, 115) }
```

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

```
.border{ border-color:rgb(135, 159, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 159, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 159, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 159, 115); box-shadow:4px 4px 4px 4px rgb(135, 159, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1850, 0.3286, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 159, 115) }
```

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

```
.background{ background-color: rgb(135,  
159, 115) }
```

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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