

Converting Colors

$Y_{xy}(40.8772, 0.3129, 0.3581)$

Have a look what the booklet for
Yxy(40.8772, 0.3129, 0.3581)
contains.

Yxy(40.7201, 0.3131, 0.3579)	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(40.7201, 0.3131, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	9EB09C
RGB	158, 176, 156
RGB Percent	62%, 69%, 61%
CMY	0.3805, 0.3098, 0.3883
CMYK	0.10, 0.00, 0.11, 0.31
HSL	114°, 11%, 65%
HSV	114°, 11%, 69%
XYZ	35.6230, 40.7201, 37.4320
YIQ	168.3380, -4.3080, -10.0360

Conversions

Conversions Part 2

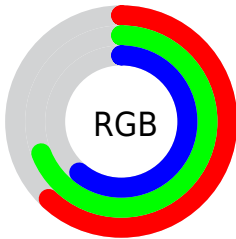
Format	Color
RYB	156, 176, 174
Decimal	10399900
CIELab	69.98, -10.10, 8.13
CIELCh	70, 12.972, 141.167
Yxy	40.7201, 0.3131, 0.3579
Android (android.graphics.Color)	4288589980 (0xFF9EB09C)
YUV	168.3380, -6.0826, -9.0664
Hunter-Lab	63.8123, -12.0246, 9.8894

Details

The Yxy color **40.7201, 0.3131, 0.3579** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.9121, 0.3121, 0.3014**, and the grayscale version is **39.3637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5125, 0.3136, 0.3532**, and **18.3116, 0.3134, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **38.6628, 0.3132, 0.3867**, and if you desaturate by 10%, it is **43.0748, 0.3128, 0.3323**.

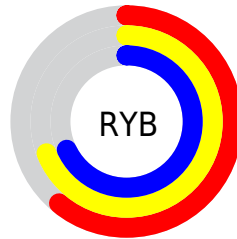
Distribution



Red (62%)

Green (69%)

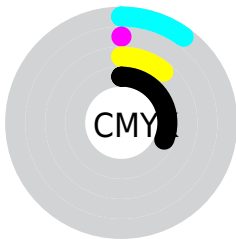
Blue (61%)



Red (61%)

Yellow (69%)

Blue (68%)

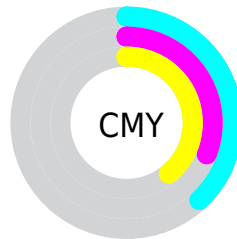


Cyan (10%)

Magenta (0%)

Yellow (11%)

Black (31%)



Cyan (38%)


Magenta (31%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7201, 0.3131, 0.3579 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 40.7201, 0.3131, 0.3579 by changing the saturation by 10% instead.

 40.7201, 0.3131,
0.3579


 40.7201, 0.3131,
0.3579


349.1494, 0.3130,
0.3429

 28.1004, 0.3131,
0.3619


 76.2588, 0.3131,
0.3523

 18.4014, 0.3130,
0.3671


 99.9467, 0.3131,
0.3502

 11.2385, 0.3129,
0.3742


128.0927, 0.3131,
0.3485

 6.2275, 0.3125,
0.3847

161.0813, 0.3131,
0.3470

 2.9839, 0.3118,
0.4015

199.2969, 0.3131,
0.3458

 1.1233, 0.3137,
0.4386

243.1238, 0.3131,

 0.0000, 0.0000,

0.3447

0.0000

292.9465, 0.3130,
0.3437

■ 40.7201, 0.3131,
0.3579

■ 40.7201, 0.3131,
0.3579

■ 38.6628, 0.3132,
0.3867

■ 43.0748, 0.3128,
0.3323

■ 36.8860, 0.3131,
0.4183

■ 45.7326, 0.3123,
0.3097

■ 35.3791, 0.3126,
0.4520

■ 48.7056, 0.3118,
0.2901

■ 34.1290, 0.3117,
0.4865

■ 52.0037, 0.3112,
0.2731

■ 33.1212, 0.3103,
0.5199

■ 55.6362, 0.3106,
0.2584

■ 32.3399, 0.3085,
0.5496

■ 59.1799, 0.3149,
0.2514

■ 31.7673, 0.3063,
0.5734

■ 59.5348, 0.3163,
0.2517

■ 31.3830, 0.3040,
0.5896

■ 31.1781, 0.3024,
0.5981

Harmonies

Analogous

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



40.7201, 0.3317, 0.3625



40.7201, 0.3131, 0.3579



40.7201, 0.2948, 0.3447

Triad

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



40.7201, 0.3131, 0.3579



40.7201, 0.2807, 0.3002



40.7201, 0.3448, 0.3294

Complementary

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



40.7201, 0.3131, 0.3579



35.9121, 0.3121, 0.3014

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.



40.7201, 0.3304, 0.3139



40.7201, 0.3131, 0.3579



40.7201, 0.2933, 0.2972

Square

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



40.7201, 0.3131, 0.3579



40.7201, 0.2765, 0.3109



40.7201, 0.3114, 0.3023



40.7201, 0.3504, 0.3454

Rectangle

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



40.7201, 0.3131, 0.3579



40.7201, 0.2852, 0.3332



40.7201, 0.3114, 0.3023



40.7201, 0.3408, 0.3240

Sweetspot

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



40.7218, 0.3131, 0.3579



77.3579, 0.3128, 0.3364



41.9070, 0.3297, 0.3538



16.6884, 0.3129, 0.3383



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.7218, 0.3131, 0.3579



72.7197, 0.3132, 0.3659



40.8026, 0.3050, 0.3462



9.5290, 0.3130, 0.3524



22.8854, 0.3028, 0.5978



0.7331, 0.3135, 0.5893

Inverse Universe

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



35.9121, 0.3121, 0.3014



62.0058, 0.3119, 0.2942



35.8340, 0.3213, 0.3124



8.6031, 0.3122, 0.3065



7.6894, 0.2965, 0.1407



0.2542, 0.3037, 0.1447

Previews

White Background



This preview shows how the Yxy color 40.7201, 0.3131, 0.3579 looks on a white background.

Color Contrast Check

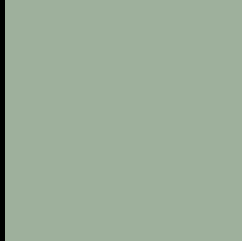
Large Text (above 18pt) WCAG AA × Fail

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 40.7201, 0.3131, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

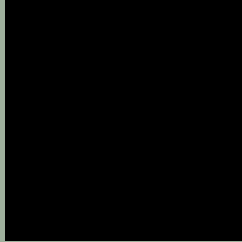
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7201, 0.3131, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 40.7201, 0.3131, 0.3579.



This preview shows how white text looks on a background with the Yxy color 40.7201, 0.3131, 0.3579.

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

40.7201, 0.3131, 0.3579

Protanopia

40.5143, 0.3349, 0.3525

Deuteranopia

40.5854, 0.3448, 0.3383



Tritanopia

40.7944, 0.2944, 0.3111

Trichromacy



Original Color

40.7201, 0.3131, 0.3579

Protanomaly

40.4961, 0.3270, 0.3543

Deuteranomaly

40.5136, 0.3334, 0.3455

Tritanomaly

40.5202, 0.3014, 0.3276

Monochromacy



Original Color

40.7201, 0.3131, 0.3579

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.6987, 0.3123, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7201, 0.3131, 0.3579 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(158, 176, 156)` looks like.

```
.text, #text, p{  
    color:rgb(158, 176, 156)  
}
```

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(158, 176, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 176, 156) }
```

Border

The CSS property to change the border of an element to Yxy 40.7201, 0.3131, 0.3579 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(158, 176, 156) }
```

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

```
.border{ border-color:rgb(158, 176, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 176, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 176, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 176, 156);  
box-shadow:4px 4px 4px 4px rgb(158, 176,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7201, 0.3131, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 176, 156) }
```

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

```
.background{ background-color: rgb(158,  
176, 156) }
```

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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