

Converting Colors

$Y_{xy}(45.3251, 0.3187, 0.3441)$

Have a look what the booklet for
Yxy(45.3251, 0.3187, 0.3441)
contains.

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Color

Yxy(45.2971, 0.3181, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	B1B5AA
RGB	177, 181, 170
RGB Percent	69%, 71%, 67%
CMY	0.3058, 0.2902, 0.3335
CMYK	0.02, 0.00, 0.06, 0.29
HSL	82°, 7%, 69%
HSV	82°, 6%, 71%
XYZ	41.9110, 45.2971, 44.5461
YIQ	178.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

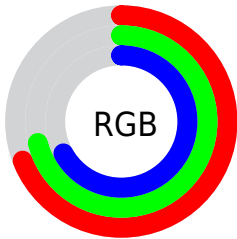
Format	Color
RYB	170, 181, 174
Decimal	11646378
CIELab	73.09, -3.43, 5.13
CIELCh	73, 6.166, 123.768
Yxy	45.2971, 0.3181, 0.3438
Android (android.graphics.Color)	4289836458 (0xFFB1B5AA)
YUV	178.5500, -4.2151, -1.3593
Hunter-Lab	67.3031, -6.6249, 7.8697

Details

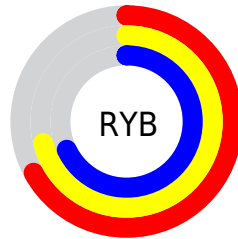
The Yxy color $45.2971, 0.3181, 0.3438$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $41.0653, 0.3071, 0.3141$, and the grayscale version is $44.8509, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.3283, 0.3175, 0.3415$, and $21.0314, 0.3190, 0.3475$ is the 20% darker color. If you saturate the color by 10%, you get $43.9114, 0.3270, 0.3695$, and if you desaturate by 10%, it is $46.8177, 0.3093, 0.3199$.

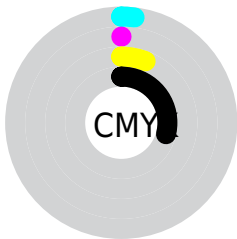
Distribution



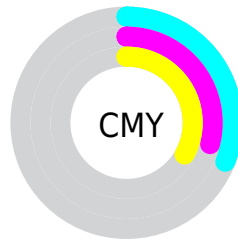
- Red (69%)
- Green (71%)
- Blue (67%)



- Red (67%)
- Yellow (71%)
- Blue (68%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2971, 0.3181, 0.3438 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 45.2971, 0.3181, 0.3438 by changing the saturation by 10% instead.

■ 45.2971, 0.3181,
0.3438

■ 45.2971, 0.3181,
0.3438

367.9755, 0.3154,
0.3363

■ 31.6915, 0.3188,
0.3457

■ 83.1661, 0.3171,
0.3411

■ 21.1260, 0.3196,
0.3482

108.1982, 0.3168,
0.3400

■ 13.2161, 0.3208,
0.3515

137.8080, 0.3165,
0.3392

■ 7.5775, 0.3223,
0.3562

172.3799, 0.3162,
0.3384

■ 3.8258, 0.3247,
0.3633

212.2981, 0.3160,
0.3378

■ 1.5766, 0.3285,
0.3756

257.9472, 0.3158,

■ 0.3418, 0.4042,

0.3372

0.5728

309.7116, 0.3156,
0.3368

0.0000, 0.0000,
0.0000

45.2971, 0.3181,
0.3438

45.2971, 0.3181,
0.3438

43.9114, 0.3270,
0.3695

46.8177, 0.3093,
0.3199

42.6506, 0.3357,
0.3965

48.4716, 0.3008,
0.2979

41.5118, 0.3439,
0.4244

50.2645, 0.2928,
0.2780

40.4902, 0.3512,
0.4522

52.2003, 0.2852,
0.2599

39.5805, 0.3570,
0.4788

53.9254, 0.2817,
0.2487

■ 38.7768, 0.3610,
0.5030

■ 54.9024, 0.2865,
0.2498

■ 38.0725, 0.3626,
0.5236

■ 55.9190, 0.2914,
0.2509

■ 37.4602, 0.3619,
0.5396

■ 56.9757, 0.2963,
0.2521

■ 36.9303, 0.3588,
0.5507

■ 58.0729, 0.3013,
0.2532

Harmonies

Analogous

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



45.2971, 0.3255, 0.3436



45.2971, 0.3181, 0.3438



45.2971, 0.3093, 0.3399

Triad

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



45.2971, 0.3181, 0.3438



45.2971, 0.2962, 0.3184



45.2971, 0.3240, 0.3250

Complementary

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



45.2971, 0.3181, 0.3438



41.0653, 0.3071, 0.3141

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.



45.2971, 0.3160, 0.3185



45.2971, 0.3181, 0.3438



45.2971, 0.3000, 0.3146

Square

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



45.2971, 0.3181, 0.3438



45.2971, 0.2968, 0.3251



45.2971, 0.3072, 0.3147



45.2971, 0.3290, 0.3326

Rectangle

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



45.2971, 0.3181, 0.3438



45.2971, 0.3039, 0.3355



45.2971, 0.3072, 0.3147



45.2971, 0.3215, 0.3226

Sweetspot

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



45.2991, 0.3181, 0.3438



82.2037, 0.3145, 0.3339



42.9307, 0.3224, 0.3342



17.7735, 0.3144, 0.3336



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



45.2991, 0.3181, 0.3438



80.8631, 0.3190, 0.3463



44.6776, 0.3134, 0.3440



9.8078, 0.3193, 0.3472



25.3659, 0.3581, 0.5538



0.8296, 0.3756, 0.5399

Inverse Universe

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



41.0653, 0.3071, 0.3141



72.0746, 0.3061, 0.3115



41.6975, 0.3119, 0.3143



8.6934, 0.3058, 0.3107



3.1189, 0.1798, 0.0764



0.1318, 0.2137, 0.0951

Previews

White Background



This preview shows how the Yxy color 45.2971, 0.3181, 0.3438 looks on a white background.

Color Contrast Check

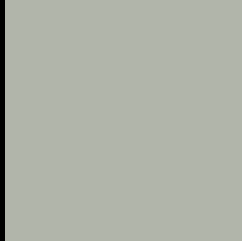
Large Text (above 18pt) WCAG AA × Fail

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 45.2971, 0.3181, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

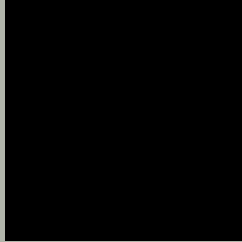
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

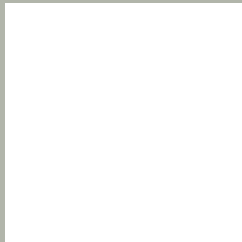
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2971, 0.3181, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 45.2971, 0.3181, 0.3438.



This preview shows how white text looks on a background with the Yxy color 45.2971, 0.3181, 0.3438.

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

45.2971, 0.3181, 0.3438

Protanopia

45.4191, 0.3261, 0.3422

Deuteranopia

45.0078, 0.3372, 0.3303



Tritanopia

45.3499, 0.3033, 0.3108

Trichromacy



Original Color

45.2971, 0.3181, 0.3438

Protanomaly

45.4522, 0.3234, 0.3436

Deuteranomaly

45.0673, 0.3303, 0.3355

Tritanomaly

45.2846, 0.3087, 0.3224

Monochromacy



Original Color

45.2971, 0.3181, 0.3438

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2421, 0.3142, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2971, 0.3181, 0.3438 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(177, 181, 170)` looks like.

```
.text, #text, p{  
    color:rgb(177, 181, 170)  
}
```

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(177, 181, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 181, 170) }
```

Border

The CSS property to change the border of an element to Yxy 45.2971, 0.3181, 0.3438 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(177, 181, 170) }
```

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

```
.border{ border-color:rgb(177, 181, 170) }
```

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

Here you see how a box with a 4 pixel rgb(177, 181, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 181, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 181, 170);  
box-shadow:4px 4px 4px 4px rgb(177, 181,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2971, 0.3181, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 181, 170) }
```

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

```
.background{ background-color: rgb(177,  
181, 170) }
```

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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