

Converting Colors

$Y_{xy}(45.4123, 0.3101, 0.3303)$

Have a look what the booklet for
Yxy(45.4123, 0.3101, 0.3303)
contains.

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Color

Yxy(45.6901, 0.3101, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	B1B5B4
RGB	177, 181, 180
RGB Percent	69%, 71%, 71%
CMY	0.3058, 0.2902, 0.2941
CMYK	0.02, 0.00, 0.01, 0.29
HSL	165°, 3%, 70%
HSV	165°, 2%, 71%
XYZ	42.8959, 45.6901, 49.7431
YIQ	179.6900, -2.0630, -1.1590

Conversions

Conversions Part 2

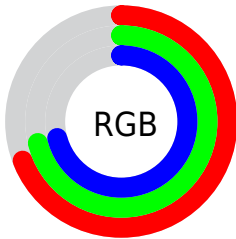
Format	Color
RYB	177, 179, 181
Decimal	11646388
CIELab	73.34, -1.58, 0.01
CIELCh	73, 1.577, 179.790
Yxy	45.6901, 0.3101, 0.3303
Android (android.graphics.Color)	4289836468 (0xFFB1B5B4)
YUV	179.6900, 0.1528, -2.3591
Hunter-Lab	67.5945, -5.0131, 3.6843

Details

The Yxy color **45.6901, 0.3101, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4867, 0.3154, 0.3277**, and the grayscale version is **45.4689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9481, 0.3107, 0.3300**, and **21.2557, 0.3091, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **43.5254, 0.2985, 0.3366**, and if you desaturate by 10%, it is **48.1466, 0.3220, 0.3246**.

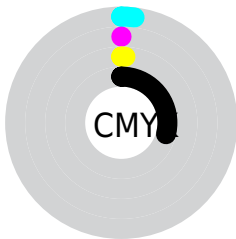
Distribution



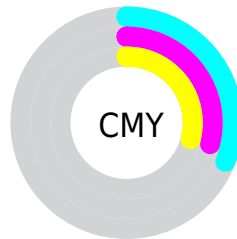
- Red (69%)
- Green (71%)
- Blue (71%)



- Red (69%)
- Yellow (70%)
- Blue (71%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6901, 0.3101, 0.3303 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 45.6901, 0.3101, 0.3303 by changing the saturation by 10% instead.

■ 45.6901, 0.3101,
0.3303

■ 45.6901, 0.3101,
0.3303

369.5613, 0.3114,
0.3297

■ 32.0013, 0.3098,
0.3305

■ 83.7550, 0.3106,
0.3301

■ 21.3625, 0.3093,
0.3307

108.9000, 0.3108,
0.3300

■ 13.3893, 0.3088,
0.3309

138.6324, 0.3109,
0.3299

■ 7.6971, 0.3080,
0.3313

173.3368, 0.3110,
0.3298

■ 3.9018, 0.3068,
0.3319

213.3975, 0.3112,
0.3298

■ 1.6188, 0.3047,
0.3329

259.1989, 0.3113,

■ 0.3702, 0.2885,

0.3297

0.3408

311.1254, 0.3113,
0.3297

0.0000, 0.0000,
0.0000

45.6901, 0.3101,
0.3303

45.6901, 0.3101,
0.3303

43.5254, 0.2985,
0.3366

48.1466, 0.3220,
0.3246

41.6354, 0.2874,
0.3435

50.8995, 0.3341,
0.3196

40.0105, 0.2771,
0.3510

53.9606, 0.3460,
0.3151

38.6379, 0.2679,
0.3591

57.3394, 0.3578,
0.3112

37.5040, 0.2601,
0.3676

58.5945, 0.3586,
0.3069

■ 36.5937, 0.2540,
0.3764

■ 58.8110, 0.3548,
0.3023

■ 35.8902, 0.2497,
0.3855

■ 59.0338, 0.3509,
0.2978

■ 35.3745, 0.2473,
0.3947

■ 59.2629, 0.3471,
0.2933

■ 35.0235, 0.2469,
0.4039

■ 59.4983, 0.3434,
0.2888

Harmonies

Analogous

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



45.6901, 0.3122, 0.3319



45.6901, 0.3101, 0.3303



45.6901, 0.3087, 0.3283

Triad

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



45.6901, 0.3101, 0.3303



45.6901, 0.3110, 0.3253



45.6901, 0.3170, 0.3315

Complementary

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



45.6901, 0.3101, 0.3303



44.4867, 0.3154, 0.3277

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.



45.6901, 0.3167, 0.3297



45.6901, 0.3101, 0.3303



45.6901, 0.3133, 0.3261

Square

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



45.6901, 0.3101, 0.3303



45.6901, 0.3093, 0.3254



45.6901, 0.3154, 0.3277



45.6901, 0.3162, 0.3326

Rectangle

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



45.6901, 0.3101, 0.3303



45.6901, 0.3084, 0.3271



45.6901, 0.3154, 0.3277



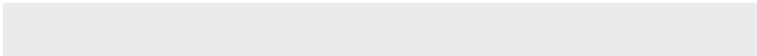
45.6901, 0.3171, 0.3310

Sweetspot

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



45.6921, 0.3101, 0.3303



82.3277, 0.3115, 0.3296



45.6887, 0.3133, 0.3343



17.7989, 0.3116, 0.3296



91.1408, 0.3127, 0.3290



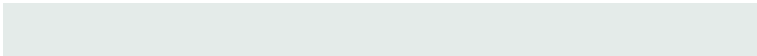
17.8868, 0.3127, 0.3290

Same Dimension

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



45.6921, 0.3101, 0.3303



81.4851, 0.3091, 0.3308



45.3283, 0.3094, 0.3277



9.8603, 0.3083, 0.3312



24.0210, 0.2472, 0.4098



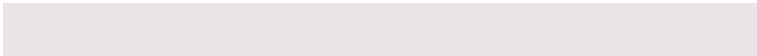
0.7644, 0.2401, 0.3845

Inverse Universe

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



44.4867, 0.3154, 0.3277



78.5147, 0.3165, 0.3272



44.8426, 0.3161, 0.3303



9.4219, 0.3173, 0.3268



6.9120, 0.5901, 0.3025



0.2270, 0.5109, 0.2588

Previews

White Background



This preview shows how the Yxy color 45.6901, 0.3101, 0.3303 looks on a white background.

Color Contrast Check

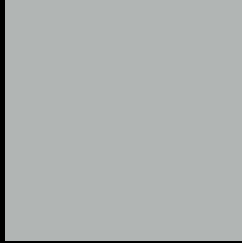
Large Text (above 18pt) WCAG AA × Fail

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 45.6901, 0.3101, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

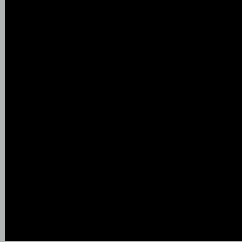
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

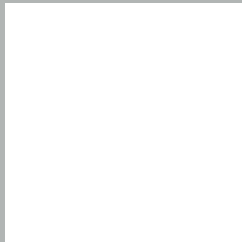
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6901, 0.3101, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 45.6901, 0.3101, 0.3303.

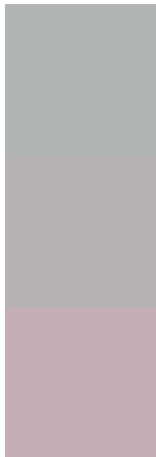


This preview shows how white text looks on a background with the Yxy color 45.6901, 0.3101, 0.3303.

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

45.6901, 0.3101, 0.3303

Protanopia

45.5622, 0.3162, 0.3290

Deuteranopia

45.4786, 0.3274, 0.3202



Tritanopia

45.6742, 0.3017, 0.3108

Trichromacy



Original Color

45.6901, 0.3101, 0.3303

Protanomaly

45.7209, 0.3144, 0.3303

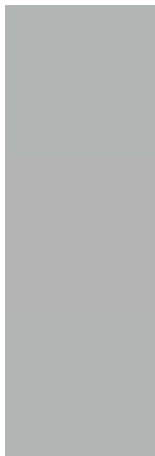
Deuteranomaly

45.7276, 0.3209, 0.3239

Tritanomaly

45.7383, 0.3047, 0.3185

Monochromacy



Original Color

45.6901, 0.3101, 0.3303

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5215, 0.3119, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6901, 0.3101, 0.3303 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(177, 181, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 181, 180) }
```

Border

The CSS property to change the border of an element to Yxy 45.6901, 0.3101, 0.3303 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, 180) }
```

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

```
.border{ border-color:rgb(177, 181, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 181, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 181, 180);  
box-shadow:4px 4px 4px 4px rgb(177, 181,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6901, 0.3101, 0.3303 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, 180) }
```

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

```
.background{ background-color: rgb(177,  
181, 180) }
```

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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