

Converting Colors

$Y_{xy}(45.3251, 0.2978, 0.3155)$

Have a look what the booklet for
Yxy(45.3251, 0.2978, 0.3155)
contains.

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Color

Yxy(45.1748, 0.2975, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	ACB4BF
RGB	172, 180, 191
RGB Percent	67%, 71%, 75%
CMY	0.3253, 0.2942, 0.2509
CMYK	0.10, 0.06, 0.00, 0.25
HSL	215°, 13%, 71%
HSV	215°, 10%, 75%
XYZ	42.7465, 45.1748, 55.7644
YIQ	178.8620, -8.2990, 1.7250

Conversions

Conversions Part 2

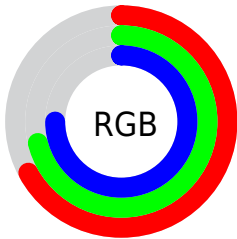
Format	Color
R _Y B	172, 178, 191
Decimal	11318463
CIE Lab	73.01, -0.57, -6.56
CIE LCh	73, 6.580, 265.039
Yxy	45.1748, 0.2975, 0.3144
Android (android.graphics.Color)	4289508543 (0xFFACB4BF)
YUV	178.8620, 5.9840, -6.0180
Hunter-Lab	67.2122, -4.0965, -2.1430

Details

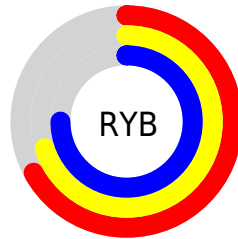
The Yxy color **45.1748, 0.2975, 0.3144** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9531, 0.3284, 0.3432**, and the grayscale version is **44.9774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0372, 0.3002, 0.3177**, and **21.0068, 0.2931, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **38.8645, 0.2814, 0.2980**, and if you desaturate by 10%, it is **52.1584, 0.3128, 0.3291**.

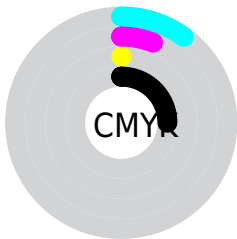
Distribution



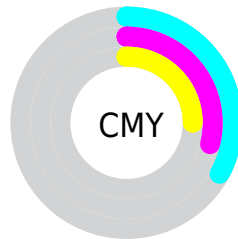
- Red (67%)
- Green (71%)
- Blue (75%)



- Red (67%)
- Yellow (70%)
- Blue (75%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1748, 0.2975, 0.3144 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 45.1748, 0.2975, 0.3144 by changing the saturation by 10% instead.

■ 45.1748, 0.2975,
0.3144

■ 45.1748, 0.2975,
0.3144

367.4810, 0.3051,
0.3217

■ 31.5951, 0.2956,
0.3126

■ 82.9827, 0.3003,
0.3171

■ 21.0524, 0.2931,
0.3102

107.9796, 0.3013,
0.3181

■ 13.1623, 0.2898,
0.3070

137.5512, 0.3022,
0.3189

■ 7.5404, 0.2852,
0.3025

172.0817, 0.3030,
0.3197

■ 3.8023, 0.2783,
0.2958

211.9555, 0.3036,
0.3203

■ 1.5636, 0.2669,
0.2846

257.5571, 0.3042,

■ 0.3329, 0.2077,

0.3208

0.2286

309.2708, 0.3047,
0.3213

0.0000, 0.0000,
0.0000

45.1748, 0.2975,
0.3144

45.1748, 0.2975,
0.3144

38.8645, 0.2814,
0.2980

52.1584, 0.3128,
0.3291

33.2004, 0.2647,
0.2798

59.8302, 0.3272,
0.3421

28.1615, 0.2477,
0.2600

68.2115, 0.3406,
0.3536

23.7235, 0.2309,
0.2388

77.3212, 0.3529,
0.3636

19.8603, 0.2149,
0.2167

84.7185, 0.3552,
0.3738

■ 16.5435, 0.2003,
0.1942

■ 91.2914, 0.3526,
0.3843

■ 13.7416, 0.1877,
0.1720

■ 96.5422, 0.3508,
0.3919

■ 11.4188, 0.1776,
0.1509

■ 9.5146, 0.1699,
0.1316

Harmonies

Analogous

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



45.1748, 0.2948, 0.3194



45.1748, 0.2975, 0.3144



45.1748, 0.3043, 0.3133

Triad

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



45.1748, 0.2975, 0.3144



45.1748, 0.3290, 0.3305



45.1748, 0.3118, 0.3423

Complementary

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



45.1748, 0.2975, 0.3144



47.9531, 0.3284, 0.3432

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.



45.1748, 0.3210, 0.3452



45.1748, 0.2975, 0.3144



45.1748, 0.3310, 0.3382

Square

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



45.1748, 0.2975, 0.3144



45.1748, 0.3225, 0.3225



45.1748, 0.3281, 0.3437



45.1748, 0.3029, 0.3356

Rectangle

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



45.1748, 0.2975, 0.3144



45.1748, 0.3103, 0.3148



45.1748, 0.3281, 0.3437



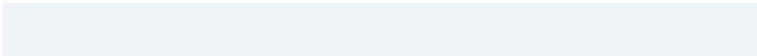
45.1748, 0.3150, 0.3437

Sweetspot

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



45.1767, 0.2975, 0.3144



89.3740, 0.3081, 0.3247



49.4538, 0.3036, 0.3398



19.3993, 0.3069, 0.3235



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.1767, 0.2975, 0.3144



78.2421, 0.2939, 0.3108



42.2033, 0.2985, 0.3038



9.8645, 0.2984, 0.3153



6.3957, 0.1706, 0.1340



0.3801, 0.1840, 0.1822

Inverse Universe

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



43.8948, 0.3231, 0.3188



75.5276, 0.3258, 0.3164



51.1631, 0.3262, 0.3532



9.6009, 0.3224, 0.3194



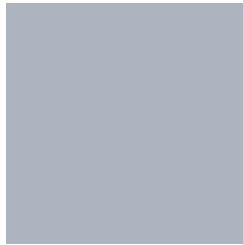
7.6753, 0.5272, 0.2678



0.3137, 0.4659, 0.2340

Previews

White Background



This preview shows how the Yxy color 45.1748, 0.2975, 0.3144 looks on a white background.

Color Contrast Check

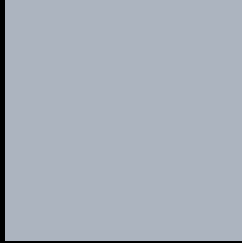
Large Text (above 18pt) WCAG AA × Fail

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 45.1748, 0.2975, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

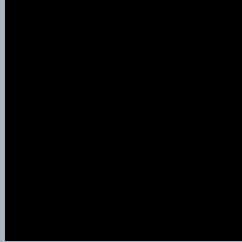
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

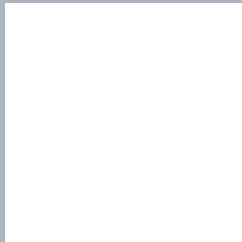
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1748, 0.2975, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 45.1748, 0.2975, 0.3144.



This preview shows how white text looks on a background with the Yxy color 45.1748, 0.2975, 0.3144.

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

45.1748, 0.2975, 0.3144

Protanopia

45.1422, 0.3041, 0.3133

Deuteranopia

45.0250, 0.3120, 0.3062



Tritanopia

45.4218, 0.2960, 0.3106

Trichromacy



Original Color

45.1748, 0.2975, 0.3144

Protanomaly

45.1880, 0.3015, 0.3145

Deuteranomaly

44.9237, 0.3059, 0.3084

Tritanomaly

45.3770, 0.2968, 0.3119

Monochromacy



Original Color

45.1748, 0.2975, 0.3144

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.8892, 0.3070, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1748, 0.2975, 0.3144 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(172, 180, 191)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 191)  
}
```

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(172, 180, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 191) }
```

Border

The CSS property to change the border of an element to Yxy 45.1748, 0.2975, 0.3144 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(172, 180, 191) }
```

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

```
.border{ border-color:rgb(172, 180, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 180, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 180, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 180, 191);  
box-shadow:4px 4px 4px 4px rgb(172, 180,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1748, 0.2975, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 191) }
```

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

```
.background{ background-color: rgb(172,  
180, 191) }
```

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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