

Converting Colors

$Y_{xy}(45.8716, 0.2995, 0.3085)$

Have a look what the booklet for
Yxy(45.8716, 0.2995, 0.3085)
contains.

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Color

Yxy(45.6453, 0.2994, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	B2B3C3
RGB	178, 179, 195
RGB Percent	70%, 70%, 76%
CMY	0.3017, 0.2981, 0.2352
CMYK	0.09, 0.08, 0.00, 0.24
HSL	237°, 12%, 73%
HSV	237°, 9%, 76%
XYZ	44.3420, 45.6453, 58.1156
YIQ	180.5250, -5.7320, 4.7640

Conversions

Conversions Part 2

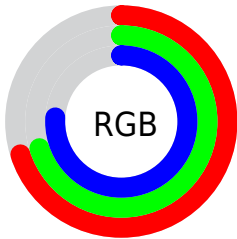
Format	Color
R_{YB}	178, 179, 195
Decimal	11711427
CIE Lab	73.31, 2.81, -8.24
CIE LCh	73, 8.709, 288.835
Yxy	45.6453, 0.2994, 0.3082
Android (android.graphics.Color)	4289901507 (0xFFB2B3C3)
YUV	180.5250, 7.1362, -2.2144
Hunter-Lab	67.5613, -1.0787, -3.7078

Details

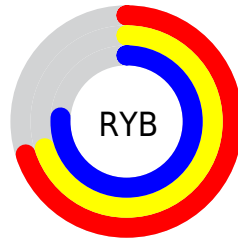
The Yxy color **45.6453, 0.2994, 0.3082** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.4475, 0.3256, 0.3490**, and the grayscale version is **45.9075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9374, 0.3017, 0.3118**, and **21.2048, 0.2955, 0.3024** is the 20% darker color. If you saturate the color by 10%, you get **36.5991, 0.2823, 0.2813**, and if you desaturate by 10%, it is **56.0113, 0.3146, 0.3319**.

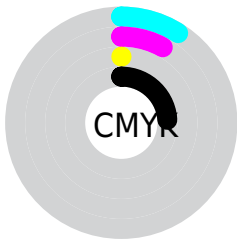
Distribution



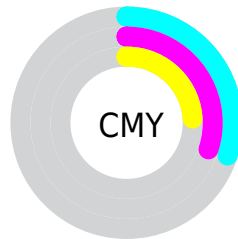
- Red (70%)
- Green (70%)
- Blue (76%)



- Red (70%)
- Yellow (70%)
- Blue (76%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)



- Cyan (30%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6453, 0.2994, 0.3082 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 45.6453, 0.2994, 0.3082 by changing the saturation by 10% instead.

■ 45.6453, 0.2994,
0.3082

■ 45.6453, 0.2994,
0.3082

369.3808, 0.3061,
0.3186

■ 31.9660, 0.2977,
0.3056

■ 83.6879, 0.3018,
0.3120

■ 21.3355, 0.2956,
0.3023

108.8200, 0.3028,
0.3134

■ 13.3695, 0.2927,
0.2980

138.5385, 0.3035,
0.3146

■ 7.6835, 0.2886,
0.2919

173.2278, 0.3042,
0.3156

■ 3.8931, 0.2825,
0.2829

213.2723, 0.3048,
0.3165

■ 1.6139, 0.2723,
0.2682

259.0564, 0.3053,

■ 0.3670, 0.2371,

0.3173

0.2085

310.9644, 0.3057,
0.3179

0.0000, 0.0000,
0.0000

45.6453, 0.2994,
0.3082

45.6453, 0.2994,
0.3082

36.5991, 0.2823,
0.2813

56.0113, 0.3146,
0.3319

28.8144, 0.2635,
0.2514

67.7411, 0.3279,
0.3526

22.2367, 0.2432,
0.2189

80.8837, 0.3395,
0.3704

16.8055, 0.2223,
0.1850

95.2810, 0.3488,
0.3859

12.4553, 0.2019,
0.1515

96.7211, 0.3484,
0.3880

■ 9.1136, 0.1833,
0.1205

■ 6.6992, 0.1681,
0.0944

■ 5.1183, 0.1575,
0.0754

■ 4.2469, 0.1515,
0.0641

Harmonies

Analogous

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



45.6453, 0.2915, 0.3107



45.6453, 0.2994, 0.3082



45.6453, 0.3110, 0.3111

Triad

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



45.6453, 0.2994, 0.3082



45.6453, 0.3369, 0.3391



45.6453, 0.3020, 0.3399

Complementary

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



45.6453, 0.2994, 0.3082



53.4475, 0.3256, 0.3490

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.



45.6453, 0.3141, 0.3479



45.6453, 0.2994, 0.3082



45.6453, 0.3343, 0.3472

Square

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



45.6453, 0.2994, 0.3082



45.6453, 0.3328, 0.3286



45.6453, 0.3259, 0.3505



45.6453, 0.2930, 0.3289

Rectangle

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



45.6453, 0.2994, 0.3082



45.6453, 0.3193, 0.3156



45.6453, 0.3259, 0.3505



45.6453, 0.3059, 0.3430

Sweetspot

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



45.6472, 0.2994, 0.3082



91.9279, 0.3082, 0.3220



52.4021, 0.3002, 0.3304



19.7986, 0.3070, 0.3201



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.6472, 0.2994, 0.3082



79.2304, 0.2970, 0.3045



46.1702, 0.3055, 0.3074



9.8344, 0.2983, 0.3065



2.7515, 0.1511, 0.0640



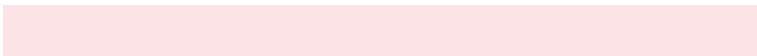
0.1500, 0.1552, 0.0785

Inverse Universe

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



46.7229, 0.3269, 0.3279



81.4639, 0.3295, 0.3277



52.9065, 0.3194, 0.3505



10.0866, 0.3281, 0.3278



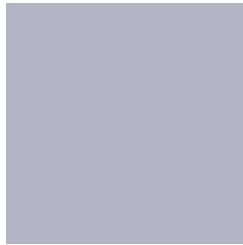
7.5600, 0.6333, 0.3262



0.3298, 0.6093, 0.3130

Previews

White Background



This preview shows how the Yxy color 45.6453, 0.2994, 0.3082 looks on a white background.

Color Contrast Check

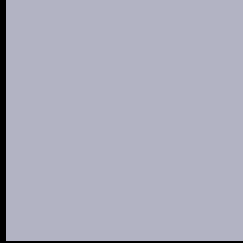
Large Text (above 18pt) WCAG AA × Fail

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 45.6453, 0.2994, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

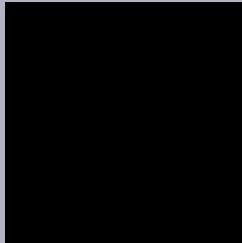
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6453, 0.2994, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 45.6453, 0.2994, 0.3082.

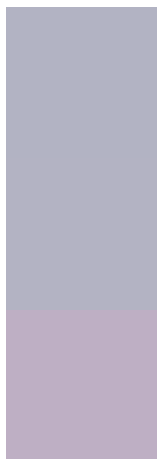


This preview shows how white text looks on a background with the Yxy color 45.6453, 0.2994, 0.3082.

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

45.6453, 0.2994, 0.3082

Protanopia

45.7640, 0.3002, 0.3083

Deuteranopia

45.5926, 0.3088, 0.3026



Tritanopia

45.5554, 0.3009, 0.3108

Trichromacy



Original Color

45.6453, 0.2994, 0.3082

Protanomaly

45.7640, 0.3002, 0.3083

Deuteranomaly

45.4753, 0.3053, 0.3036

Tritanomaly

45.6002, 0.3001, 0.3095

Monochromacy



Original Color

45.6453, 0.2994, 0.3082

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.8910, 0.3080, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6453, 0.2994, 0.3082 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(178, 179, 195)` looks like.

```
.text, #text, p{  
    color:rgb(178, 179, 195)  
}
```

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(178, 179, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 179, 195) }
```

Border

The CSS property to change the border of an element to Yxy 45.6453, 0.2994, 0.3082 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(178, 179, 195) }
```

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

```
.border{ border-color:rgb(178, 179, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 179, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 179, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 179, 195);  
box-shadow:4px 4px 4px 4px rgb(178, 179,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6453, 0.2994, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 179, 195) }
```

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

```
.background{ background-color: rgb(178,  
179, 195) }
```

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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