

Converting Colors

$Y_{xy}(44.5759, 0.3110, 0.3271)$

Have a look what the booklet for
Yxy(44.5759, 0.3110, 0.3271)
contains.

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Color

Yxy(44.4832, 0.3102, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	B1B2B4
RGB	177, 178, 180
RGB Percent	69%, 70%, 71%
CMY	0.3060, 0.3019, 0.2940
CMYK	0.02, 0.01, 0.00, 0.29
HSL	220°, 2%, 70%
HSV	220°, 2%, 71%
XYZ	42.2884, 44.4832, 49.5545
YIQ	177.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

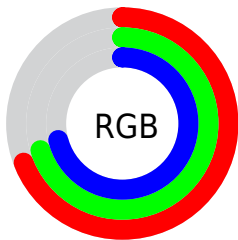
Format	Color
RYB	177, 178, 180
Decimal	11645620
CIELab	72.55, 0.03, -1.17
CIElCh	73, 1.168, 271.240
Yxy	44.4832, 0.3102, 0.3263
Android (android.graphics.Color)	4289835700 (0xFFB1B2B4)
YUV	177.9290, 1.0210, -0.8147
Hunter-Lab	66.6957, -3.5398, 2.6349

Details

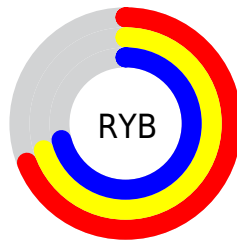
The Yxy color **44.4832, 0.3102, 0.3263** is a light color, and the websafe version is hex **999999**. A complement of this color would be **45.1210, 0.3152, 0.3317**, and the grayscale version is **44.4764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2254, 0.3108, 0.3269**, and **20.4846, 0.3093, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **37.9691, 0.2947, 0.3093**, and if you desaturate by 10%, it is **51.6923, 0.3245, 0.3414**.

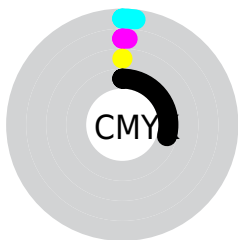
Distribution



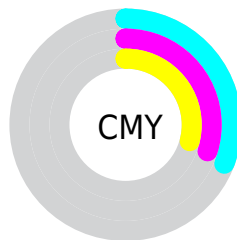
- Red (69%)
- Green (70%)
- Blue (71%)



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



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



- Cyan (31%)
- Magenta (30%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4832, 0.3102, 0.3263 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 44.4832, 0.3102, 0.3263 by changing the saturation by 10% instead.

■ 44.4832, 0.3102,
0.3263

■ 44.4832, 0.3102,
0.3263

364.6765, 0.3115,
0.3277

■ 31.0506, 0.3099,
0.3260

■ 81.9444, 0.3107,
0.3268

■ 20.6374, 0.3095,
0.3255

106.7417, 0.3108,
0.3270

■ 12.8592, 0.3089,
0.3249

136.0960, 0.3110,
0.3271

■ 7.3316, 0.3081,
0.3241

170.3917, 0.3111,
0.3273

■ 3.6704, 0.3069,
0.3228

210.0132, 0.3112,
0.3274

■ 1.4909, 0.3049,
0.3206

255.3449, 0.3113,

■ 0.2823, 0.2860,

0.3275

0.3002

306.7712, 0.3114,
0.3276

0.0000, 0.0000,
0.0000

44.4832, 0.3102,
0.3263

44.4832, 0.3102,
0.3263

37.9691, 0.2947,
0.3093

51.6923, 0.3245,
0.3414

32.1229, 0.2783,
0.2902

59.6111, 0.3377,
0.3546

26.9243, 0.2610,
0.2691

68.2607, 0.3497,
0.3662

22.3494, 0.2433,
0.2462

77.6599, 0.3606,
0.3764

18.3731, 0.2257,
0.2218

85.4808, 0.3619,
0.3870

■ 14.9681, 0.2089,
0.1967

■ 92.6388, 0.3587,
0.3979

■ 12.1050, 0.1935,
0.1715

■ 96.0767, 0.3573,
0.4027

■ 9.7509, 0.1804,
0.1474

■ 7.8687, 0.1702,
0.1255

Harmonies

Analogous

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



44.4832, 0.3095, 0.3271



44.4832, 0.3102, 0.3263



44.4832, 0.3115, 0.3262

Triad

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



44.4832, 0.3102, 0.3263



44.4832, 0.3158, 0.3296



44.4832, 0.3122, 0.3312

Complementary

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



44.4832, 0.3102, 0.3263



45.1210, 0.3152, 0.3317

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.



44.4832, 0.3139, 0.3318



44.4832, 0.3102, 0.3263



44.4832, 0.3159, 0.3309

Square

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



44.4832, 0.3102, 0.3263



44.4832, 0.3148, 0.3281



44.4832, 0.3153, 0.3318



44.4832, 0.3107, 0.3299

Rectangle

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



44.4832, 0.3102, 0.3263



44.4832, 0.3127, 0.3266



44.4832, 0.3153, 0.3318



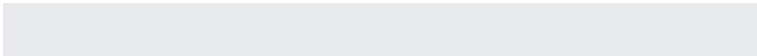
44.4832, 0.3128, 0.3315

Sweetspot

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



44.4851, 0.3102, 0.3263



81.4776, 0.3112, 0.3274



45.2535, 0.3109, 0.3304



17.6249, 0.3113, 0.3275



91.1408, 0.3127, 0.3290



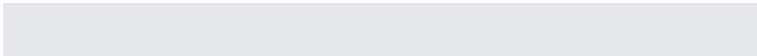
17.8868, 0.3127, 0.3290

Same Dimension

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



44.4851, 0.3102, 0.3263



80.2111, 0.3097, 0.3258



44.1294, 0.3106, 0.3249



9.7648, 0.3100, 0.3260



4.7284, 0.1643, 0.1116



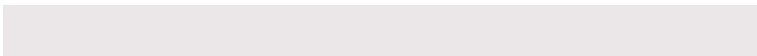
0.2594, 0.1808, 0.1709

Inverse Universe

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



44.3566, 0.3145, 0.3276



79.9340, 0.3149, 0.3274



45.4817, 0.3148, 0.3330



9.7339, 0.3147, 0.3275



7.0175, 0.5587, 0.2852



0.2320, 0.4795, 0.2415

Previews

White Background



This preview shows how the Yxy color 44.4832, 0.3102, 0.3263 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 44.4832, 0.3102, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

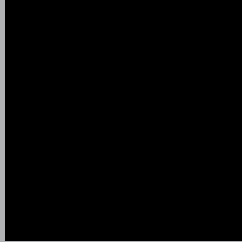
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

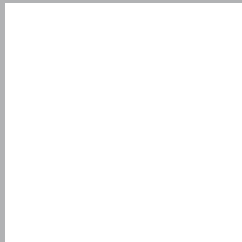
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4832, 0.3102, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 44.4832, 0.3102, 0.3263.



This preview shows how white text looks on a background with the Yxy color 44.4832, 0.3102, 0.3263.

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

44.4832, 0.3102, 0.3263

Protanopia

44.4023, 0.3137, 0.3264

Deuteranopia

44.1787, 0.3240, 0.3175



Tritanopia

44.3521, 0.3041, 0.3107

Trichromacy



Original Color

44.4832, 0.3102, 0.3263

Protanomaly

44.2827, 0.3128, 0.3264

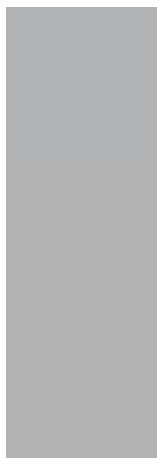
Deuteranomaly

44.1731, 0.3185, 0.3199

Tritanomaly

44.4544, 0.3064, 0.3171

Monochromacy



Original Color

44.4832, 0.3102, 0.3263

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.5604, 0.3119, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4832, 0.3102, 0.3263 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, 178, 180)` looks like.

```
.text, #text, p{  
    color:rgb(177, 178, 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, 178, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 178, 180) }
```

Border

The CSS property to change the border of an element to Yxy 44.4832, 0.3102, 0.3263 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, 178, 180) }
```

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

```
.border{ border-color:rgb(177, 178, 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, 178, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 178, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 178, 180); box-shadow:4px 4px 4px 4px rgb(177, 178, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4832, 0.3102, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 178, 180) }
```

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

```
.background{ background-color: rgb(177,  
178, 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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