

Converting Colors

$Y_{xy}(44.5522, 0.3137, 0.3312)$

Have a look what the booklet for
Yxy(44.5522, 0.3137, 0.3312)
contains.

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Color

Yxy(44.4801, 0.3135, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	B2B2B1
RGB	178, 178, 177
RGB Percent	70%, 70%, 69%
CMY	0.3020, 0.3019, 0.3058
CMYK	0.00, 0.00, 0.01, 0.30
HSL	60°, 1%, 70%
HSV	60°, 1%, 70%
XYZ	42.2177, 44.4801, 47.9679
YIQ	177.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

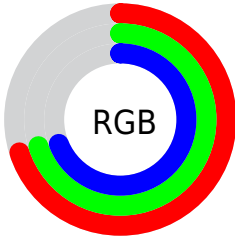
Format	Color
RYB	177, 178, 177
Decimal	11711153
CIELab	72.55, -0.18, 0.49
CIELCh	73, 0.520, 110.075
Yxy	44.4801, 0.3135, 0.3303
Android (android.graphics.Color)	4289901233 (0xFFB2B2B1)
YUV	177.8860, -0.4368, 0.1000
Hunter-Lab	66.6934, -3.7208, 4.0422

Details

The Yxy color **44.4801, 0.3135, 0.3303** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.0194, 0.3119, 0.3277**, and the grayscale version is **44.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2213, 0.3133, 0.3300**, and **20.4824, 0.3138, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **43.8077, 0.3281, 0.3545**, and if you desaturate by 10%, it is **45.2490, 0.2996, 0.3072**.

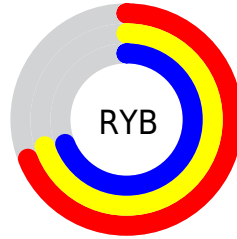
Distribution



Red (70%)

Green (70%)

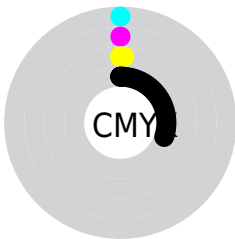
Blue (69%)



Red (69%)

Yellow (70%)

Blue (69%)

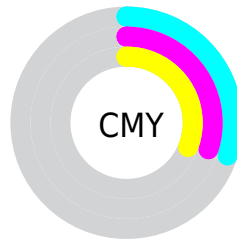


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (30%)



Cyan (30%)

Magenta (30%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4801, 0.3135, 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 44.4801, 0.3135, 0.3303 by changing the saturation by 10% instead.

■ 44.4801, 0.3135,
0.3303

■ 44.4801, 0.3135,
0.3303

364.6639, 0.3131,
0.3297

■ 31.0481, 0.3136,
0.3305

■ 81.9397, 0.3134,
0.3301

■ 20.6355, 0.3137,
0.3307

106.7361, 0.3133,
0.3300

■ 12.8578, 0.3139,
0.3310

136.0894, 0.3133,
0.3299

■ 7.3307, 0.3141,
0.3314

170.3841, 0.3132,
0.3298

■ 3.6698, 0.3145,
0.3320

210.0045, 0.3132,
0.3298

■ 1.4906, 0.3151,
0.3330

255.3350, 0.3132,

■ 0.2821, 0.3221,

0.3297

0.3445

306.7599, 0.3131,
0.3297

0.0000, 0.0000,
0.0000

44.4801, 0.3135,
0.3303

44.4801, 0.3135,
0.3303

43.8077, 0.3281,
0.3545

45.2490, 0.2996,
0.3072

43.2224, 0.3430,
0.3793

46.1119, 0.2865,
0.2854

42.7223, 0.3578,
0.4040

47.0740, 0.2743,
0.2653

42.3035, 0.3720,
0.4277

48.1383, 0.2632,
0.2468

41.9615, 0.3851,
0.4495

48.5770, 0.2593,
0.2402

■ 41.6915, 0.3964,
0.4685

■ 48.5871, 0.2593,
0.2402

■ 41.4883, 0.4056,
0.4839

■ 48.5972, 0.2594,
0.2402

■ 41.3456, 0.4123,
0.4952

■ 48.6072, 0.2594,
0.2403

■ 41.2564, 0.4164,
0.5022

■ 48.6173, 0.2595,
0.2403

Harmonies

Analogous

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



44.4801, 0.3140, 0.3301



44.4801, 0.3135, 0.3303



44.4801, 0.3128, 0.3301

Triad

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



44.4801, 0.3135, 0.3303



44.4801, 0.3113, 0.3284



44.4801, 0.3134, 0.3284

Complementary

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



44.4801, 0.3135, 0.3303



44.0194, 0.3119, 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.



44.4801, 0.3127, 0.3279



44.4801, 0.3135, 0.3303



44.4801, 0.3114, 0.3279

Square

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



44.4801, 0.3135, 0.3303



44.4801, 0.3115, 0.3290



44.4801, 0.3120, 0.3277



44.4801, 0.3139, 0.3290

Rectangle

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



44.4801, 0.3135, 0.3303



44.4801, 0.3123, 0.3298



44.4801, 0.3120, 0.3277



44.4801, 0.3132, 0.3282

Sweetspot

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



44.4820, 0.3135, 0.3303



80.7346, 0.3127, 0.3290



44.0949, 0.3136, 0.3290



17.8868, 0.3127, 0.3290



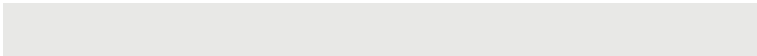
91.1408, 0.3127, 0.3290

Same Dimension

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



44.4820, 0.3135, 0.3303



80.6017, 0.3142, 0.3314



44.4248, 0.3131, 0.3303



10.0330, 0.3140, 0.3312



29.4840, 0.4185, 0.5059



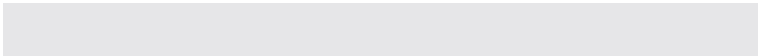
0.9283, 0.4187, 0.5057

Inverse Universe

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



44.0194, 0.3119, 0.3277



79.0523, 0.3113, 0.3266



44.0763, 0.3124, 0.3277



9.8562, 0.3114, 0.3268



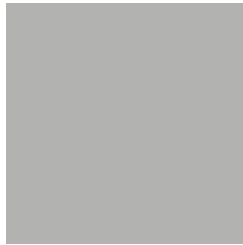
2.3046, 0.1502, 0.0601



0.0731, 0.1510, 0.0605

Previews

White Background



This preview shows how the Yxy color 44.4801, 0.3135, 0.3303 looks on a white background.

Color Contrast Check

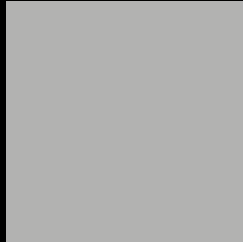
Large Text (above 18pt) WCAG AA × Fail

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 44.4801, 0.3135, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

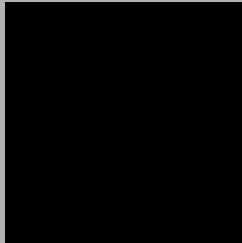
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

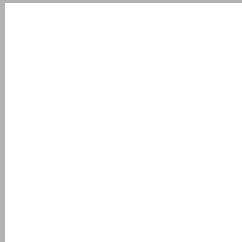
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4801, 0.3135, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 44.4801, 0.3135, 0.3303.

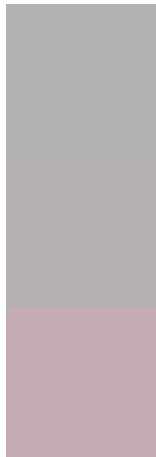


This preview shows how white text looks on a background with the Yxy color 44.4801, 0.3135, 0.3303.

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

44.4801, 0.3135, 0.3303

Protanopia

44.4026, 0.3170, 0.3303

Deuteranopia

44.3215, 0.3284, 0.3214



Tritanopia

44.4717, 0.3049, 0.3107

Trichromacy



Original Color

44.4801, 0.3135, 0.3303

Protanomaly

44.2822, 0.3162, 0.3303

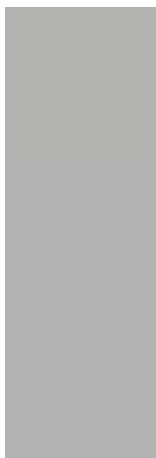
Deuteranomaly

44.3053, 0.3228, 0.3239

Tritanomaly

44.5308, 0.3080, 0.3185

Monochromacy



Original Color

44.4801, 0.3135, 0.3303

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.5201, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4801, 0.3135, 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(178, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 177)  
}
```

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, 178, 177) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 44.4801, 0.3135, 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(178, 178, 177) }
```

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

```
.border{ border-color:rgb(178, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 177)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to Yxy 44.4801, 0.3135, 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(178, 178, 177) }
```

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

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

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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