

Converting Colors

$Y_{xy}(45.1994, 0.3210, 0.3285)$

Have a look what the booklet for
Yxy(45.1994, 0.3210, 0.3285)
contains.

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Color

Yxy(45.1834, 0.3215, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	BBB1B1
RGB	187, 177, 177
RGB Percent	73%, 69%, 69%
CMY	0.2667, 0.3059, 0.3058
CMYK	0.00, 0.05, 0.05, 0.27
HSL	360°, 7%, 71%
HSV	360°, 5%, 73%
XYZ	44.1534, 45.1834, 47.9988
YIQ	179.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

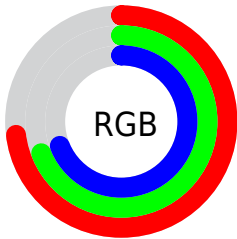
Format	Color
RYB	187, 177, 177
Decimal	12300721
CIELab	73.01, 3.56, 1.26
CIELCh	73, 3.779, 19.417
Yxy	45.1834, 0.3215, 0.3290
Android (android.graphics.Color)	4290490801 (0xFFBBB1B1)
YUV	179.9900, -1.4741, 6.1478
Hunter-Lab	67.2186, -0.3826, 4.7158

Details

The Yxy color $45.1834, 0.3215, 0.3290$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.4767, 0.3045, 0.3290$, and the grayscale version is $45.6435, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2157, 0.3195, 0.3290$, and $20.9389, 0.3249, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $37.6027, 0.3410, 0.3290$, and if you desaturate by 10%, it is $53.8821, 0.3059, 0.3290$.

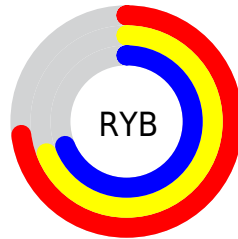
Distribution



Red (73%)

Green (69%)

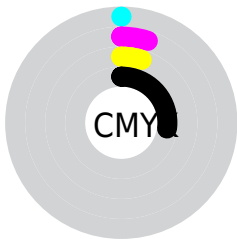
Blue (69%)



Red (73%)

Yellow (69%)

Blue (69%)

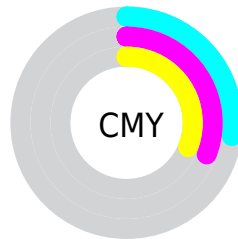


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1834, 0.3215, 0.3290 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 45.1834, 0.3215, 0.3290 by changing the saturation by 10% instead.

■ 45.1834, 0.3215,
0.3290

■ 45.1834, 0.3215,
0.3290

367.5158, 0.3171,
0.3290

■ 31.6019, 0.3226,
0.3290

■ 82.9956, 0.3199,
0.3290

■ 21.0576, 0.3241,
0.3290

107.9950, 0.3193,
0.3290

■ 13.1661, 0.3260,
0.3289

137.5692, 0.3188,
0.3290

■ 7.5430, 0.3287,
0.3289

172.1026, 0.3183,
0.3290

■ 3.8040, 0.3328,
0.3288

211.9796, 0.3180,
0.3290

■ 1.5645, 0.3398,
0.3286

257.5845, 0.3176,

■ 0.3335, 0.3989,

0.3290

309.3018, 0.3173,
0.3290

0.3293

0.0000, 0.0000,
0.0000

45.1834, 0.3215,
0.3290

45.1834, 0.3215,
0.3290

37.6027, 0.3410,
0.3290

53.8821, 0.3059,
0.3290

31.0893, 0.3654,
0.3290

63.7355, 0.2933,
0.3290

25.5968, 0.3956,
0.3291

74.7857, 0.2832,
0.3290

21.0737, 0.4323,
0.3291

87.0710, 0.2750,
0.3290

17.4637, 0.4754,
0.3292

89.3052, 0.2736,
0.3289

■ 14.7047, 0.5225,
0.3294

■ 12.7270, 0.5690,
0.3295

■ 11.4499, 0.6076,
0.3297

■ 10.7738, 0.6319,
0.3299

Harmonies

Analogous

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



45.1834, 0.3174, 0.3245



45.1834, 0.3215, 0.3290



45.1834, 0.3232, 0.3336

Triad

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



45.1834, 0.3215, 0.3290



45.1834, 0.3133, 0.3371



45.1834, 0.3035, 0.3210

Complementary

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



45.1834, 0.3215, 0.3290



48.4767, 0.3045, 0.3290

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.



45.1834, 0.3024, 0.3243



45.1834, 0.3215, 0.3290



45.1834, 0.3080, 0.3336

Square

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



45.1834, 0.3215, 0.3290



45.1834, 0.3184, 0.3383



45.1834, 0.3040, 0.3289



45.1834, 0.3070, 0.3199

Rectangle

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



45.1834, 0.3215, 0.3290



45.1834, 0.3227, 0.3361



45.1834, 0.3040, 0.3289



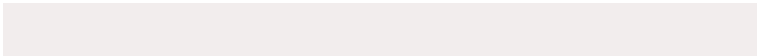
45.1834, 0.3028, 0.3219

Sweetspot

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



45.1854, 0.3215, 0.3290



85.8633, 0.3159, 0.3290



45.5772, 0.3132, 0.3162



18.9432, 0.3158, 0.3290



95.5105, 0.3127, 0.3290



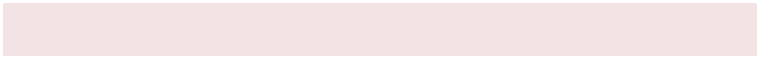
19.5994, 0.3127, 0.3290

Same Dimension

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



45.1854, 0.3215, 0.3290



79.8387, 0.3228, 0.3290



47.1284, 0.3210, 0.3353



10.0365, 0.3236, 0.3290



7.2799, 0.6398, 0.3298



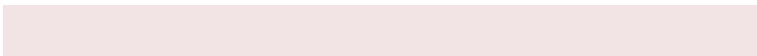
0.2853, 0.6389, 0.3293

Inverse Universe

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



45.1854, 0.3215, 0.3290



79.8387, 0.3228, 0.3290



46.4606, 0.3046, 0.3227



10.0365, 0.3236, 0.3290



7.2799, 0.6398, 0.3298



0.2853, 0.6389, 0.3293

Previews

White Background



This preview shows how the Yxy color 45.1834, 0.3215, 0.3290 looks on a white background.

Color Contrast Check

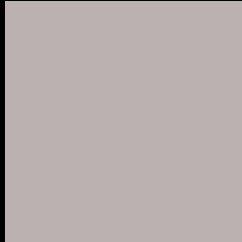
Large Text (above 18pt) WCAG AA × Fail

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 45.1834, 0.3215, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

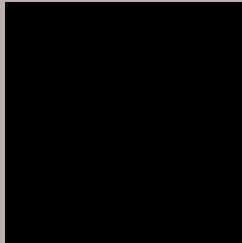
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

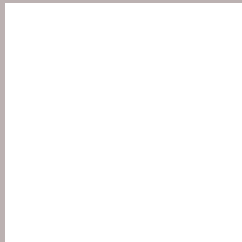
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1834, 0.3215, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 45.1834, 0.3215, 0.3290.



This preview shows how white text looks on a background with the Yxy color 45.1834, 0.3215, 0.3290.

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

45.1834, 0.3215, 0.3290

Protanopia

45.1224, 0.3171, 0.3290

Deuteranopia

44.9718, 0.3301, 0.3227



Tritanopia

45.1529, 0.3136, 0.3112

Trichromacy



Original Color

45.1834, 0.3215, 0.3290

Protanomaly

45.2455, 0.3179, 0.3290

Deuteranomaly

44.8239, 0.3264, 0.3239

Tritanomaly

45.2448, 0.3159, 0.3175

Monochromacy



Original Color

45.1834, 0.3215, 0.3290

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5622, 0.3162, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1834, 0.3215, 0.3290 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(187, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(187, 177, 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(187, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 177, 177) }
```

Border

The CSS property to change the border of an element to Yxy 45.1834, 0.3215, 0.3290 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(187, 177, 177) }
```

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

```
.border{ border-color:rgb(187, 177, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 177, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(187, 177,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1834, 0.3215, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 177, 177) }
```

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

```
.background{ background-color: rgb(187,  
177, 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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