

Converting Colors

$Y_{xy}(52.1155, 0.3296, 0.3340)$

Have a look what the booklet for
Yxy(52.1155, 0.3296, 0.3340)
contains.

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Color

Yxy(52.2645, 0.3293, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	CCBCB8
RGB	204, 188, 184
RGB Percent	80%, 74%, 72%
CMY	0.1998, 0.2628, 0.2784
CMYK	0.00, 0.08, 0.10, 0.20
HSL	12°, 16%, 76%
HSV	12°, 10%, 80%
XYZ	51.5445, 52.2645, 52.7184
YIQ	192.3280, 10.8200, 2.1480

Conversions

Conversions Part 2

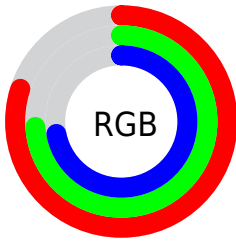
Format	Color
RYB	204, 189, 184
Decimal	13417656
CIELab	77.44, 4.99, 4.05
CIELCh	77, 6.428, 39.101
Yxy	52.2645, 0.3293, 0.3339
Android (android.graphics.Color)	4291607736 (0xFFCCBCB8)
YUV	192.3280, -4.1057, 10.2363
Hunter-Lab	72.2942, 0.7525, 7.3704

Details

The Yxy color **52.2645, 0.3293, 0.3339** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.8824, 0.2977, 0.3240**, and the grayscale version is **52.9373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2526, 0.3223, 0.3329**, and **25.4507, 0.3341, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **44.8818, 0.3497, 0.3392**, and if you desaturate by 10%, it is **60.5656, 0.3124, 0.3289**.

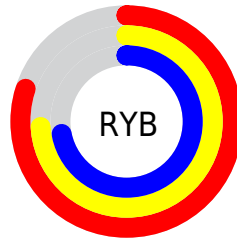
Distribution



Red (80%)

Green (74%)

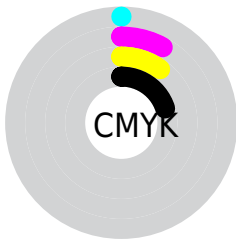
Blue (72%)



Red (80%)

Yellow (74%)

Blue (72%)

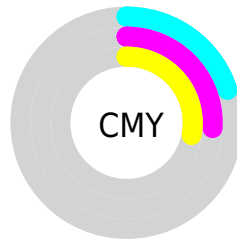


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (20%)



Cyan (20%)


Magenta (26%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2645, 0.3293, 0.3339 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 52.2645, 0.3293, 0.3339 by changing the saturation by 10% instead.

 52.2645, 0.3293,
0.3339

 52.2645, 0.3293,
0.3339


395.4569, 0.3211,
0.3316

 37.2159, 0.3313,
0.3345

 93.5212, 0.3264,
0.3331

 25.3747, 0.3339,
0.3352


120.4981, 0.3252,
0.3328

 16.3565, 0.3372,
0.3361


152.2200, 0.3243,
0.3325

 9.7767, 0.3419,
0.3373

189.0712, 0.3235,
0.3322

 5.2512, 0.3486,
0.3390

231.4361, 0.3228,
0.3320

 2.3954, 0.3596,
0.3416

279.6990, 0.3222,

 0.8235, 0.3867,

0.3319

334.2445, 0.3216,
0.3317

0.3515

0.0000, 0.0000,
0.0000

52.2645, 0.3293,
0.3339

52.2645, 0.3293,
0.3339

44.8818, 0.3497,
0.3392

60.5656, 0.3124,
0.3289

38.3791, 0.3742,
0.3448

69.8081, 0.2985,
0.3243

32.7255, 0.4036,
0.3503

80.0229, 0.2869,
0.3201

27.8854, 0.4378,
0.3553

90.5345, 0.2826,
0.3272

23.8209, 0.4766,
0.3590

91.5829, 0.2827,
0.3289

■ 20.4910, 0.5179,
0.3607

■ 17.8507, 0.5583,
0.3593

■ 15.8499, 0.5929,
0.3543

■ 14.4253, 0.6184,
0.3470

Harmonies

Analogous

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



52.2645, 0.3251, 0.3263



52.2645, 0.3293, 0.3339



52.2645, 0.3290, 0.3403

Triad

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



52.2645, 0.3293, 0.3339



52.2645, 0.3078, 0.3388



52.2645, 0.3011, 0.3144

Complementary

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



52.2645, 0.3293, 0.3339



55.8824, 0.2977, 0.3240

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.



52.2645, 0.2967, 0.3175



52.2645, 0.3293, 0.3339



52.2645, 0.3005, 0.3316

Square

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



52.2645, 0.3293, 0.3339



52.2645, 0.3165, 0.3433



52.2645, 0.2964, 0.3238



52.2645, 0.3087, 0.3152

Rectangle

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



52.2645, 0.3293, 0.3339



52.2645, 0.3263, 0.3431



52.2645, 0.2964, 0.3238



52.2645, 0.2992, 0.3150

Sweetspot

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



52.2668, 0.3293, 0.3339



95.6705, 0.3175, 0.3305



51.3114, 0.3167, 0.3094



20.2349, 0.3189, 0.3309



0.0000, 0.0000, 0.0000



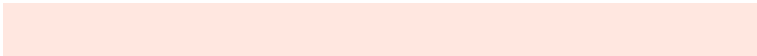
21.4041, 0.3127, 0.3290

Same Dimension

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



52.2668, 0.3293, 0.3339



83.5334, 0.3337, 0.3351



56.5518, 0.3280, 0.3455



11.5695, 0.3285, 0.3337



9.1687, 0.6166, 0.3486



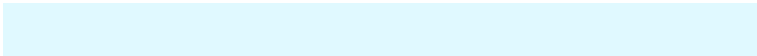
0.5822, 0.5792, 0.3783

Inverse Universe

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



55.8824, 0.2977, 0.3240



90.8235, 0.2941, 0.3228



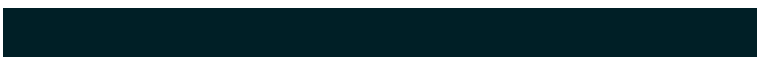
51.5290, 0.2976, 0.3119



12.3326, 0.2983, 0.3243



19.4458, 0.2068, 0.2643



1.1023, 0.2107, 0.2783

Previews

White Background



This preview shows how the Yxy color 52.2645, 0.3293, 0.3339 looks on a white background.

Color Contrast Check

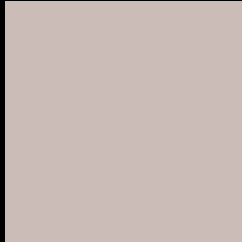
Large Text (above 18pt) WCAG AA × Fail

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 52.2645, 0.3293, 0.3339 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 52.2645, 0.3293, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 52.2645, 0.3293, 0.3339.



This preview shows how white text looks on a background with the Yxy color 52.2645, 0.3293, 0.3339.

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

52.2645, 0.3293, 0.3339

Protanopia

52.5001, 0.3214, 0.3364

Deuteranopia

52.1978, 0.3357, 0.3291



Tritanopia

52.4098, 0.3185, 0.3124

Trichromacy



Original Color

52.2645, 0.3293, 0.3339

Protanomaly

52.4718, 0.3240, 0.3352

Deuteranomaly

52.1759, 0.3330, 0.3303

Tritanomaly

52.4148, 0.3223, 0.3206

Monochromacy



Original Color

52.2645, 0.3293, 0.3339

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.6715, 0.3183, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2645, 0.3293, 0.3339 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(204, 188, 184) looks like.

```
.text, #text, p{  
    color:rgb(204, 188, 184)  
}
```

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(204, 188, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 188, 184) }
```

Border

The CSS property to change the border of an element to Yxy 52.2645, 0.3293, 0.3339 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(204, 188, 184) }
```

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

```
.border{ border-color:rgb(204, 188, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 188, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 188, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 188, 184);  
box-shadow:4px 4px 4px 4px rgb(204, 188,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2645, 0.3293, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 188, 184) }
```

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

```
.background{ background-color: rgb(204,  
188, 184) }
```

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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