

Converting Colors

$Y_{xy}(27.7871, 0.3719, 0.3368)$

Have a look what the booklet for
Yxy(27.7871, 0.3719, 0.3368)
contains.

Yxy(27.7985, 0.3709, 0.3365)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7985, 0.3709, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	B28580
RGB	178, 133, 128
RGB Percent	70%, 52%, 50%
CMY	0.3020, 0.4784, 0.4980
CMYK	0.00, 0.25, 0.28, 0.30
HSL	6°, 24%, 60%
HSV	6°, 28%, 70%
XYZ	30.6403, 27.7985, 24.1719
YIQ	145.8850, 28.4250, 7.9850

Conversions

Conversions Part 2

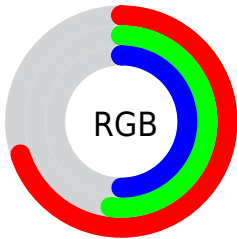
Format	Color
RYB	178, 134, 128
Decimal	11699584
CIELab	59.71, 16.52, 9.43
CIELCh	60, 19.018, 29.716
Yxy	27.7985, 0.3709, 0.3365
Android (android.graphics.Color)	4289889664 (0xFFB28580)
YUV	145.8850, -8.8173, 28.1649
Hunter-Lab	52.7243, 11.4664, 9.7250

Details

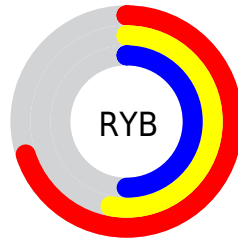
The Yxy color **27.7985, 0.3709, 0.3365** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **37.6764, 0.2718, 0.3213**, and the grayscale version is **28.7233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1162, 0.3588, 0.3347**, and **11.0361, 0.3919, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **23.3156, 0.4008, 0.3393**, and if you desaturate by 10%, it is **33.0346, 0.3463, 0.3337**.

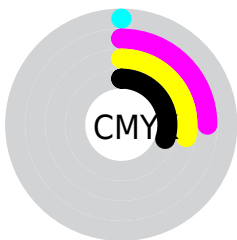
Distribution



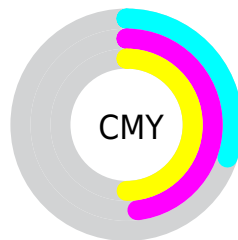
- Red (70%)
- Green (52%)
- Blue (50%)



- Red (70%)
- Yellow (53%)
- Blue (50%)



- Cyan (0%)
- Magenta (25%)
- Yellow (28%)
- Black (30%)



- Cyan (30%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7985, 0.3709, 0.3365 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 27.7985, 0.3709, 0.3365 by changing the saturation by 10% instead.


 27.7985, 0.3709,
0.3365


 27.7985, 0.3709,
0.3365


291.5028, 0.3390,
0.3331


 18.1738, 0.3799,
0.3372


 56.1626, 0.3586,
0.3354

 11.0749, 0.3922,
0.3379


 75.6708, 0.3542,
0.3349

 6.1172, 0.4098,
0.3386


 99.2422, 0.3506,
0.3345

 2.9165, 0.4372,
0.3388

127.2614, 0.3475,
0.3341

 1.0883, 0.4953,
0.3435

160.1127, 0.3449,
0.3338

 0.0000, 1.0000,
0.0000

198.1804, 0.3427,

 0.0000, 0.0000,

0.3335

0.0000

241.8490, 0.3407,
0.3333

■ 27.7985, 0.3709,
0.3365

■ 27.7985, 0.3709,
0.3365

■ 23.3156, 0.4008,
0.3393

■ 33.0346, 0.3463,
0.3337

■ 19.5476, 0.4365,
0.3419

■ 39.0522, 0.3262,
0.3310

■ 16.4585, 0.4775,
0.3438

■ 45.8830, 0.3098,
0.3285

■ 14.0080, 0.5218,
0.3446

■ 53.5558, 0.2965,
0.3263

■ 12.1510, 0.5655,
0.3437

■ 62.0977, 0.2855,
0.3242

■ 10.8369, 0.6024,
0.3409

■ 71.5351, 0.2765,
0.3224

■ 10.0038, 0.6278,
0.3369

■ 81.8927, 0.2690,
0.3207

■ 9.8906, 0.6318,
0.3365

■ 88.2026, 0.2691,
0.3289

Harmonies

Analogous

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



27.7985, 0.3501, 0.3108



27.7985, 0.3709, 0.3365



27.7985, 0.3751, 0.3618

Triad

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



27.7985, 0.3709, 0.3365



27.7985, 0.3037, 0.3731



27.7985, 0.2647, 0.2788

Complementary

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



27.7985, 0.3709, 0.3365



37.6764, 0.2718, 0.3213

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.



27.7985, 0.2539, 0.2922



27.7985, 0.3709, 0.3365



27.7985, 0.2756, 0.3472

Square

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



27.7985, 0.3709, 0.3365



27.7985, 0.3353, 0.3852



27.7985, 0.2577, 0.3169



27.7985, 0.2882, 0.2784

Rectangle

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



27.7985, 0.3709, 0.3365



27.7985, 0.3679, 0.3752



27.7985, 0.2577, 0.3169



27.7985, 0.2596, 0.2818

Sweetspot

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



27.7998, 0.3709, 0.3365



70.7716, 0.3263, 0.3310



27.9170, 0.3211, 0.2667



15.2971, 0.3290, 0.3314



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.



27.7998, 0.3709, 0.3365



44.9831, 0.3897, 0.3383



35.4705, 0.3614, 0.3718



8.6379, 0.3285, 0.3313



7.1240, 0.6306, 0.3375



0.2686, 0.5974, 0.3638

Inverse Universe

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



37.6764, 0.2718, 0.3213



65.9995, 0.2634, 0.3193



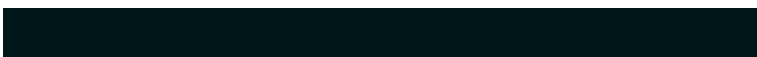
28.9796, 0.2679, 0.2820



9.4829, 0.2986, 0.3266



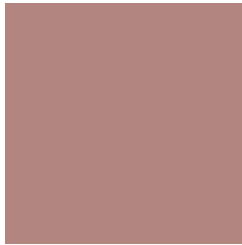
20.3762, 0.2160, 0.2977



0.6828, 0.2187, 0.3071

Previews

White Background



This preview shows how the Yxy color 27.7985, 0.3709, 0.3365 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7985, 0.3709, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

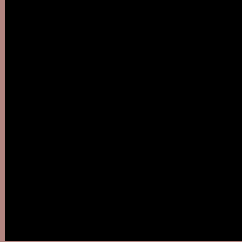
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7985, 0.3709, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 27.7985, 0.3709, 0.3365.



This preview shows how white text looks on a background with the Yxy color 27.7985, 0.3709, 0.3365.

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

27.7985, 0.3709, 0.3365

Protanopia

28.0573, 0.3281, 0.3451

Deuteranopia

27.8901, 0.3536, 0.3476



Tritanopia

27.7394, 0.3575, 0.3147

Trichromacy



Original Color

27.7985, 0.3709, 0.3365

Protanomaly

27.8957, 0.3433, 0.3416

Deuteranomaly

27.8586, 0.3601, 0.3443

Tritanomaly

27.8638, 0.3631, 0.3234

Monochromacy



Original Color

27.7985, 0.3709, 0.3365

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.1829, 0.3334, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7985, 0.3709, 0.3365 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, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(178, 133, 128)  
}
```

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, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 133, 128) }
```

Border

The CSS property to change the border of an element to Yxy 27.7985, 0.3709, 0.3365 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, 133, 128) }
```

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

```
.border{ border-color:rgb(178, 133, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 133, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(178, 133,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7985, 0.3709, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 133, 128) }
```

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

```
.background{ background-color: rgb(178,  
133, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor