

Converting Colors

$Y_{xy}(27.5940, 0.3548, 0.3270)$

Have a look what the booklet for
Yxy(27.5940, 0.3548, 0.3270)
contains.

Yxy(27.5701, 0.3555, 0.3276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.5701, 0.3555, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	AC8687
RGB	172, 134, 135
RGB Percent	67%, 53%, 53%
CMY	0.3253, 0.4746, 0.4705
CMYK	0.00, 0.22, 0.22, 0.33
HSL	358°, 19%, 60%
HSV	358°, 22%, 67%
XYZ	29.9181, 27.5701, 26.6696
YIQ	145.4760, 22.3270, 8.3670

Conversions

Conversions Part 2

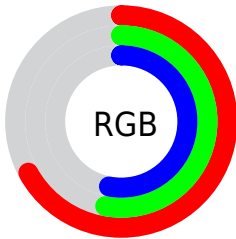
Format	Color
RYB	172, 134, 135
Decimal	11306631
CIELab	59.50, 14.70, 5.03
CIElCh	59, 15.536, 18.904
Yxy	27.5701, 0.3555, 0.3276
Android (android.graphics.Color)	4289496711 (0xFFAC8687)
YUV	145.4760, -5.1647, 23.2615
Hunter-Lab	52.5072, 9.8199, 6.6403

Details

The Yxy color $27.5701, 0.3555, 0.3276$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $37.5277, 0.2813, 0.3304$, and the grayscale version is $28.5356, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.6655, 0.3467, 0.3280$, and $10.9185, 0.3720, 0.3271$ is the 20% darker color. If you saturate the color by 10%, you get $22.7617, 0.3827, 0.3270$, and if you desaturate by 10%, it is $33.2288, 0.3336, 0.3283$.

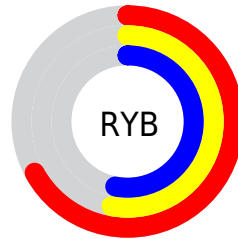
Distribution



Red (67%)

Green (53%)

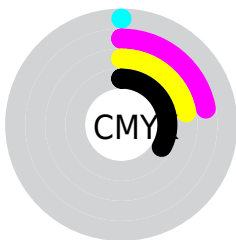
Blue (53%)



Red (67%)

Yellow (53%)

Blue (53%)

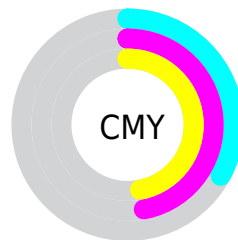


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (33%)



Cyan (33%)


Magenta (47%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5701, 0.3555, 0.3276 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 27.5701, 0.3555, 0.3276 by changing the saturation by 10% instead.


 27.5701, 0.3555,
0.3276


 27.5701, 0.3555,
0.3276


290.4069, 0.3321,
0.3287

 18.0018, 0.3621,
0.3272


 55.7974, 0.3465,
0.3281

 10.9513, 0.3711,
0.3265


 75.2251, 0.3432,
0.3282

 6.0341, 0.3842,
0.3254

 98.7082, 0.3406,
0.3284

 2.8658, 0.4046,
0.3233

126.6310, 0.3383,
0.3284

 1.0621, 0.4423,
0.3193

159.3779, 0.3364,
0.3285

 0.0000, 1.0000,
0.0000

197.3332, 0.3348,

 0.0000, 0.0000,

0.3286

0.0000

240.8814, 0.3333,
0.3286

■ 27.5701, 0.3555,
0.3276

■ 27.5701, 0.3555,
0.3276

■ 22.7617, 0.3827,
0.3270

■ 33.2288, 0.3336,
0.3283

■ 18.7589, 0.4160,
0.3264

■ 39.7721, 0.3160,
0.3289

■ 15.5189, 0.4557,
0.3259


■ 47.2369, 0.3018,
0.3295

■ 12.9933, 0.5005,
0.3257


■ 55.6571, 0.2904,
0.3300


■ 11.1280, 0.5472,
0.3260


■ 65.0646, 0.2812,
0.3305


 9.8614, 0.5898,
0.3267

 75.4902, 0.2736,
0.3309

 9.1204, 0.6213,
0.3279

 86.9630, 0.2674,
0.3313

 8.7851, 0.6370,
0.3283

 87.5149, 0.2662,
0.3289

Harmonies

Analogous

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



27.5701, 0.3349, 0.3071



27.5701, 0.3555, 0.3276



27.5701, 0.3642, 0.3492

Triad

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



27.5701, 0.3555, 0.3276



27.5701, 0.3150, 0.3699



27.5701, 0.2686, 0.2905

Complementary

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



27.5701, 0.3555, 0.3276



37.5277, 0.2813, 0.3304

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.



27.5701, 0.2639, 0.3055



27.5701, 0.3555, 0.3276



27.5701, 0.2900, 0.3523

Square

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



27.5701, 0.3555, 0.3276



27.5701, 0.3401, 0.3749



27.5701, 0.2715, 0.3281



27.5701, 0.2847, 0.2860

Rectangle

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



27.5701, 0.3555, 0.3276



27.5701, 0.3619, 0.3617



27.5701, 0.2715, 0.3281



27.5701, 0.2656, 0.2944

Sweetspot

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



27.5714, 0.3555, 0.3276



65.9703, 0.3243, 0.3286



28.6590, 0.3139, 0.2750



14.1916, 0.3253, 0.3285



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.5714, 0.3555, 0.3276



45.1276, 0.3694, 0.3273



32.8695, 0.3512, 0.3551



8.0187, 0.3282, 0.3284



6.5357, 0.6364, 0.3280



0.1829, 0.6208, 0.3194

Inverse Universe

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



27.5714, 0.3555, 0.3276



45.1276, 0.3694, 0.3273



31.2515, 0.2785, 0.3014



8.0187, 0.3282, 0.3284



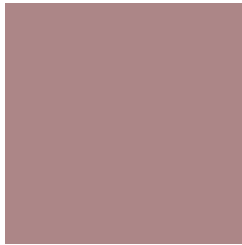
6.5357, 0.6364, 0.3280



0.1829, 0.6208, 0.3194

Previews

White Background



This preview shows how the Yxy color 27.5701, 0.3555, 0.3276 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 27.5701, 0.3555, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

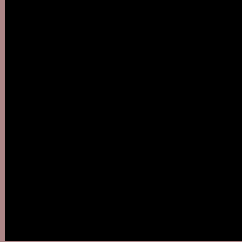
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5701, 0.3555, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 27.5701, 0.3555, 0.3276.



This preview shows how white text looks on a background with the Yxy color 27.5701, 0.3555, 0.3276.

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

27.5701, 0.3555, 0.3276

Protanopia

27.7414, 0.3200, 0.3339

Deuteranopia

27.7635, 0.3425, 0.3368



Tritanopia

27.6425, 0.3478, 0.3144

Trichromacy



Original Color

27.5701, 0.3555, 0.3276

Protanomaly

27.6591, 0.3324, 0.3322

Deuteranomaly

27.6119, 0.3476, 0.3337

Tritanomaly

27.5527, 0.3512, 0.3188

Monochromacy



Original Color

27.5701, 0.3555, 0.3276

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.9414, 0.3280, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5701, 0.3555, 0.3276 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(172, 134, 135)` looks like.

```
.text, #text, p{  
    color:rgb(172, 134, 135)  
}
```

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(172, 134, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 134, 135) }
```

Border

The CSS property to change the border of an element to Yxy 27.5701, 0.3555, 0.3276 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(172, 134, 135) }
```

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

```
.border{ border-color:rgb(172, 134, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 134, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 134, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 134, 135);  
box-shadow:4px 4px 4px 4px rgb(172, 134,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5701, 0.3555, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 134, 135) }
```

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

```
.background{ background-color: rgb(172,  
134, 135) }
```

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