

Converting Colors

$Y_{xy}(21.8116, 0.3543, 0.2989)$

Have a look what the booklet for
Yxy(21.8116, 0.3543, 0.2989)
contains.

Yxy(21.7552, 0.3540, 0.2981)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7552, 0.3540, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	A57286
RGB	165, 114, 134
RGB Percent	65%, 45%, 53%
CMY	0.3530, 0.5529, 0.4745
CMYK	0.00, 0.31, 0.19, 0.35
HSL	336°, 22%, 55%
HSV	336°, 31%, 65%
XYZ	25.8348, 21.7552, 25.3896
YIQ	131.5290, 23.9760, 17.0320

Conversions

Conversions Part 2

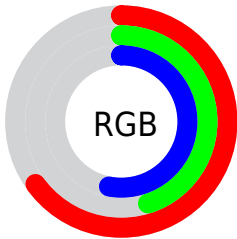
Format	Color
R_{YB}	165, 114, 134
Decimal	10842758
CIE _{Lab}	53.77, 23.17, -2.81
CIE _{LCh}	54, 23.339, 353.074
Yxy	21.7552, 0.3540, 0.2981
Android (android.graphics.Color)	4289032838 (0xFFA57286)
YUV	131.5290, 1.2182, 29.3541
Hunter-Lab	46.6425, 17.2449, 0.3755

Details

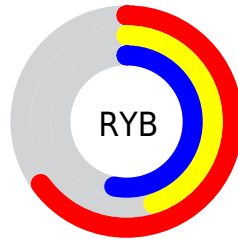
The Yxy color **21.7552, 0.3540, 0.2981** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.5276, 0.2842, 0.3624**, and the grayscale version is **22.8857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2324, 0.3453, 0.3045**, and **7.8654, 0.3712, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **18.0967, 0.3733, 0.2878**, and if you desaturate by 10%, it is **26.1136, 0.3379, 0.3085**.

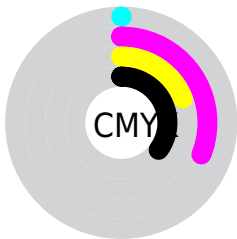
Distribution



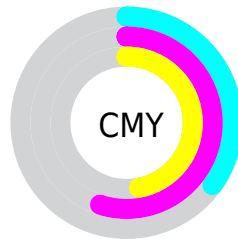
- Red (65%)
- Green (45%)
- Blue (53%)



- Red (65%)
- Yellow (45%)
- Blue (53%)



- Cyan (0%)
- Magenta (31%)
- Yellow (19%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7552, 0.3540, 0.2981 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 21.7552, 0.3540, 0.2981 by changing the saturation by 10% instead.


 21.7552, 0.3540,
0.2981


 21.7552, 0.3540,
0.2981


261.2652, 0.3309,
0.3152

 13.6771, 0.3608,
0.2932


 46.3411, 0.3449,
0.3048


 7.8965, 0.3702,
0.2863


 63.6176, 0.3417,
0.3072

 4.0288, 0.3842,
0.2763

 84.7292, 0.3391,
0.3091

 1.6897, 0.4071,
0.2603

 110.0601, 0.3369,
0.3107

 0.4170, 0.4754,
0.2049

139.9948, 0.3351,
0.3121

 0.0000, 0.0000,
0.0000

174.9176, 0.3335,

0.3133

215.2129, 0.3321,
0.3143

■ 21.7552, 0.3540,
0.2981

■ 21.7552, 0.3540,
0.2981

■ 18.0967, 0.3733,
0.2878

■ 26.1136, 0.3379,
0.3085

■ 15.0982, 0.3960,
0.2782

■ 31.2030, 0.3246,
0.3186

■ 12.7206, 0.4221,
0.2702


■ 37.0563, 0.3136,
0.3282


■ 10.9190, 0.4512,
0.2651


■ 43.7034, 0.3046,
0.3371

■ 9.6427, 0.4820,
0.2639

■ 51.1726, 0.2971,
0.3453


 8.8319, 0.5125,
0.2676

 59.4910, 0.2910,
0.3529

 8.3757, 0.5390,
0.2743

 68.6842, 0.2860,
0.3598

 78.7769, 0.2818,
0.3661

 84.9143, 0.2775,
0.3639

Harmonies

Analogous

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



21.7552, 0.3116, 0.2736



21.7552, 0.3540, 0.2981



21.7552, 0.3861, 0.3303

Triad

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



21.7552, 0.3540, 0.2981



21.7552, 0.3508, 0.4049



21.7552, 0.2352, 0.2856

Complementary

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



21.7552, 0.3540, 0.2981



32.5276, 0.2842, 0.3624

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.



21.7552, 0.2441, 0.3208



21.7552, 0.3540, 0.2981



21.7552, 0.3094, 0.3945

Square

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



21.7552, 0.3540, 0.2981



21.7552, 0.3832, 0.3921



21.7552, 0.2706, 0.3621



21.7552, 0.2450, 0.2652

Rectangle

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



21.7552, 0.3540, 0.2981



21.7552, 0.3960, 0.3531



21.7552, 0.2706, 0.3621



21.7552, 0.2361, 0.2959

Sweetspot

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



21.7562, 0.3540, 0.2981



57.6085, 0.3225, 0.3203



20.7366, 0.2925, 0.2485



12.2929, 0.3242, 0.3190



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.7562, 0.3540, 0.2981



34.3929, 0.3667, 0.2911



22.4327, 0.3783, 0.3372



7.1298, 0.3226, 0.3202



6.3468, 0.5364, 0.2729



0.1425, 0.4447, 0.2223

Inverse Universe

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



21.7562, 0.3540, 0.2981



34.3929, 0.3667, 0.2911



31.3971, 0.2683, 0.3206



7.1298, 0.3226, 0.3202



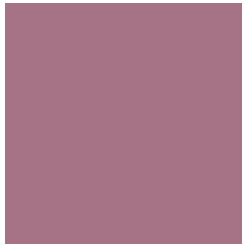
6.3468, 0.5364, 0.2729



0.1425, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 21.7552, 0.3540, 0.2981 looks on a white background.

Color Contrast Check

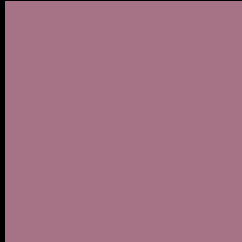
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7552, 0.3540, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

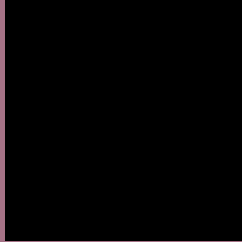
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7552, 0.3540, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 21.7552, 0.3540, 0.2981.



This preview shows how white text looks on a background with the Yxy color 21.7552, 0.3540, 0.2981.

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

21.7552, 0.3540, 0.2981

Protanopia

21.9335, 0.2958, 0.3027

Deuteranopia

21.9086, 0.3229, 0.3170



Tritanopia

21.8385, 0.3652, 0.3166

Trichromacy



Original Color

21.7552, 0.3540, 0.2981

Protanomaly

21.7221, 0.3153, 0.3003

Deuteranomaly

21.7578, 0.3334, 0.3092

Tritanomaly

21.7125, 0.3603, 0.3087

Monochromacy



Original Color

21.7552, 0.3540, 0.2981

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.2900, 0.3266, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7552, 0.3540, 0.2981 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(165, 114, 134)` looks like.

```
.text, #text, p{  
    color:rgb(165, 114, 134)  
}
```

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(165, 114, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 114, 134) }
```

Border

The CSS property to change the border of an element to Yxy 21.7552, 0.3540, 0.2981 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(165, 114, 134) }
```

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

```
.border{ border-color:rgb(165, 114, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 114, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 114, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 114, 134);  
box-shadow:4px 4px 4px 4px rgb(165, 114,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7552, 0.3540, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 114, 134) }
```

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

```
.background{ background-color: rgb(165,  
114, 134) }
```

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