

Converting Colors

$Y_{xy}(20.7309, 0.3238, 0.2985)$

Have a look what the booklet for
Yxy(20.7309, 0.3238, 0.2985)
contains.

Yxy(20.6637, 0.3241, 0.2987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6637, 0.3241, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	907688
RGB	144, 118, 136
RGB Percent	56%, 46%, 53%
CMY	0.4354, 0.5372, 0.4667
CMYK	0.00, 0.18, 0.06, 0.44
HSL	318°, 10%, 51%
HSV	318°, 18%, 56%
XYZ	22.4208, 20.6637, 26.0942
YIQ	127.8260, 9.7180, 11.1100

Conversions

Conversions Part 2

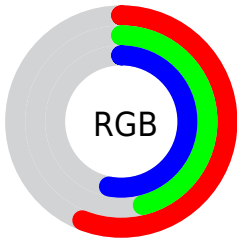
Format	Color
R_{YB}	144, 118, 136
Decimal	9467528
CIE _{Lab}	52.58, 13.34, -5.99
CIE _{LCh}	53, 14.622, 335.821
Yxy	20.6637, 0.3241, 0.2987
Android (android.graphics.Color)	4287657608 (0xFF907688)
YUV	127.8260, 4.0298, 14.1846
Hunter-Lab	45.4573, 8.4909, -2.2146

Details

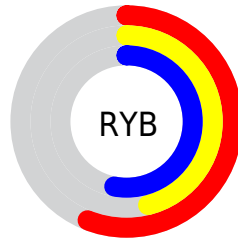
The Yxy color $20.6637, 0.3241, 0.2987$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $25.3003, 0.3029, 0.3613$, and the grayscale version is $21.5060, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4293, 0.3219, 0.3053$, and $7.3794, 0.3281, 0.2888$ is the 20% darker color. If you saturate the color by 10%, you get $17.4045, 0.3319, 0.2812$, and if you desaturate by 10%, it is $24.4476, 0.3174, 0.3158$.

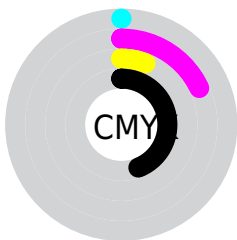
Distribution



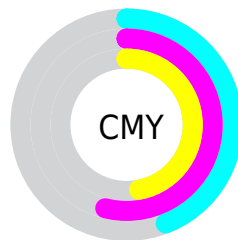
- Red (56%)
- Green (46%)
- Blue (53%)



- Red (56%)
- Yellow (46%)
- Blue (53%)



- Cyan (0%)
- Magenta (18%)
- Yellow (6%)
- Black (44%)




- Cyan (44%)
- Magenta (54%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6637, 0.3241, 0.2987 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 20.6637, 0.3241, 0.2987 by changing the saturation by 10% instead.


 20.6637, 0.3241,
0.2987


 20.6637, 0.3241,
0.2987


255.4858, 0.3178,
0.3155


 12.8784, 0.3259,
0.2938


 44.5272, 0.3217,
0.3053

 7.3449, 0.3284,
0.2871


 61.3741, 0.3208,
0.3076

 3.6787, 0.3320,
0.2771

 82.0104, 0.3201,
0.3095

 1.4955, 0.3378,
0.2611

106.8204, 0.3195,
0.3111

 0.2856, 0.3703,
0.1771

136.1886, 0.3190,
0.3125

 0.0000, 0.0000,
0.0000

170.4993, 0.3185,

0.3136

210.1369, 0.3181,
0.3147

■ 20.6637, 0.3241,
0.2987

■ 20.6637, 0.3241,
0.2987

■ 17.4045, 0.3319,
0.2812

■ 24.4476, 0.3174,
0.3158

■ 14.6439, 0.3409,
0.2638

■ 28.7754, 0.3117,
0.3321

■ 12.3574, 0.3511,
0.2471

■ 33.6688, 0.3068,
0.3475

■ 10.5176, 0.3623,
0.2321

■ 39.1474, 0.3028,
0.3619

■ 9.0942, 0.3745,
0.2197

■ 45.2299, 0.2994,
0.3751

8.0531, 0.3871,
0.2109

51.9341, 0.2965,
0.3873

7.3547, 0.4000,
0.2064

59.2770, 0.2942,
0.3985

6.9194, 0.4127,
0.2061

67.2753, 0.2922,
0.4088

6.8412, 0.4153,
0.2061

75.9446, 0.2906,
0.4182

Harmonies

Analogous

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



20.6637, 0.2970, 0.2869



20.6637, 0.3241, 0.2987



20.6637, 0.3489, 0.3178

Triad

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



20.6637, 0.3241, 0.2987



20.6637, 0.3506, 0.3744



20.6637, 0.2641, 0.3141

Complementary

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



20.6637, 0.3241, 0.2987



25.3003, 0.3029, 0.3613

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.



20.6637, 0.2772, 0.3393



20.6637, 0.3241, 0.2987



20.6637, 0.3268, 0.3755

Square

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



20.6637, 0.3241, 0.2987



20.6637, 0.3644, 0.3610



20.6637, 0.2999, 0.3624



20.6637, 0.2633, 0.2946

Rectangle

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



20.6637, 0.3241, 0.2987



20.6637, 0.3604, 0.3327



20.6637, 0.2999, 0.3624



20.6637, 0.2671, 0.3222

Sweetspot

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



20.6646, 0.3241, 0.2987



45.2708, 0.3156, 0.3207



19.3934, 0.2931, 0.2829



10.2747, 0.3160, 0.3196



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.6646, 0.3241, 0.2987



33.8071, 0.3274, 0.2910



20.3226, 0.3397, 0.3201



5.4831, 0.3181, 0.3139



5.9633, 0.4146, 0.2058



0.0610, 0.3638, 0.1778

Inverse Universe

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



20.6646, 0.3241, 0.2987



33.8071, 0.3274, 0.2910



25.6516, 0.2911, 0.3381



5.4831, 0.3181, 0.3139



5.9633, 0.4146, 0.2058



0.0610, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 20.6637, 0.3241, 0.2987 looks on a white background.

Color Contrast Check

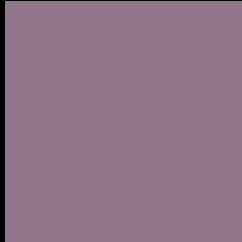
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6637, 0.3241, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

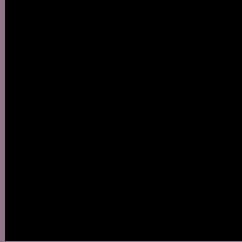
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6637, 0.3241, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 20.6637, 0.3241, 0.2987.



This preview shows how white text looks on a background with the Yxy color 20.6637, 0.3241, 0.2987.

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

20.6637, 0.3241, 0.2987

Protanopia

20.8458, 0.2954, 0.3022

Deuteranopia

20.6549, 0.3114, 0.3062



Tritanopia

20.6183, 0.3311, 0.3119

Trichromacy



Original Color

20.6637, 0.3241, 0.2987

Protanomaly

20.6084, 0.3046, 0.2992

Deuteranomaly

20.7424, 0.3163, 0.3048

Tritanomaly

20.6992, 0.3275, 0.3069

Monochromacy



Original Color

20.6637, 0.3241, 0.2987

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1223, 0.3169, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6637, 0.3241, 0.2987 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(144, 118, 136)` looks like.

```
.text, #text, p{  
    color:rgb(144, 118, 136)  
}
```

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(144, 118, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 118, 136) }
```

Border

The CSS property to change the border of an element to Yxy 20.6637, 0.3241, 0.2987 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(144, 118, 136) }
```

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

```
.border{ border-color:rgb(144, 118, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 118, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 118, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 118, 136);  
box-shadow:4px 4px 4px 4px rgb(144, 118,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6637, 0.3241, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 118, 136) }
```

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

```
.background{ background-color: rgb(144,  
118, 136) }
```

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