

Converting Colors

$Y_{xy}(20.7640, 0.3242, 0.2681)$

Have a look what the booklet for
Yxy(20.7640, 0.3242, 0.2681)
contains.

Yxy(20.7390, 0.3243, 0.2681)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7390, 0.3243, 0.2681)

Conversions

Conversions Part 1

Format	Color
Hex	9D6F96
RGB	157, 111, 150
RGB Percent	62%, 44%, 59%
CMY	0.3845, 0.5646, 0.4118
CMYK	0.00, 0.29, 0.04, 0.38
HSL	309°, 19%, 53%
HSV	309°, 29%, 62%
XYZ	25.0864, 20.7390, 31.5301
YIQ	129.2000, 14.8970, 21.8810

Conversions

Conversions Part 2

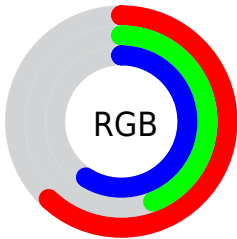
Format	Color
R_{YB}	157, 111, 150
Decimal	10317718
CIE _{Lab}	52.66, 24.77, -13.93
CIE _{LCh}	53, 28.418, 330.639
Yxy	20.7390, 0.3243, 0.2681
Android (android.graphics.Color)	4288507798 (0xFF9D6F96)
YUV	129.2000, 10.2544, 24.3806
Hunter-Lab	45.5401, 18.6340, -9.1719

Details

The Yxy color $20.7390, 0.3243, 0.2681$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.7871, 0.3030, 0.3987$, and the grayscale version is $21.9861, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5511, 0.3222, 0.2807$, and $7.3494, 0.3283, 0.2462$ is the 20% darker color. If you saturate the color by 10%, you get $17.5335, 0.3292, 0.2474$, and if you desaturate by 10%, it is $24.5497, 0.3199, 0.2893$.

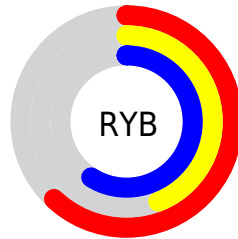
Distribution



Red (62%)

Green (44%)

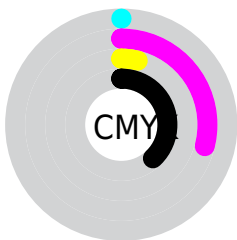
Blue (59%)



Red (62%)

Yellow (44%)

Blue (59%)

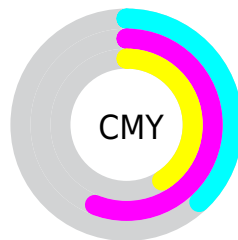


Cyan (0%)

Magenta (29%)

Yellow (4%)

Black (38%)



Cyan (38%)


Magenta (56%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7390, 0.3243, 0.2681 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 20.7390, 0.3243, 0.2681 by changing the saturation by 10% instead.


 20.7390, 0.3243,
0.2681


 20.7390, 0.3243,
0.2681


255.8882, 0.3184,
0.3011


 12.9334, 0.3258,
0.2590


 44.6528, 0.3221,
0.2807

 7.3827, 0.3276,
0.2466


 61.5296, 0.3213,
0.2853

 3.7026, 0.3300,
0.2291

 82.1991, 0.3207,
0.2890

 1.5086, 0.3330,
0.2025

 107.0455, 0.3201,
0.2922

 0.2948, 0.3521,
0.1172

136.4531, 0.3196,
0.2949

 0.0000, 0.0000,
0.0000

170.8066, 0.3191,

0.2973

210.4901, 0.3187,
0.2993

■ 20.7390, 0.3243,
0.2681

■ 20.7390, 0.3243,
0.2681

■ 17.5335, 0.3292,
0.2474

■ 24.5497, 0.3199,
0.2893

■ 14.8991, 0.3345,
0.2279

■ 28.9922, 0.3159,
0.3102

■ 12.8022, 0.3401,
0.2106

■ 34.0945, 0.3125,
0.3305

■ 11.2048, 0.3458,
0.1964

■ 39.8825, 0.3095,
0.3497

■ 10.0639, 0.3516,
0.1860

■ 46.3804, 0.3069,
0.3677

■ 9.3291, 0.3571,
0.1799

■ 53.6115, 0.3047,
0.3844

■ 8.8911, 0.3624,
0.1774

■ 61.5976, 0.3029,
0.3998

■ 8.8611, 0.3628,
0.1772

■ 70.3601, 0.3013,
0.4138

■ 79.9193, 0.3000,
0.4267

Harmonies

Analogous

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



20.7390, 0.2736, 0.2494



20.7390, 0.3243, 0.2681



20.7390, 0.3756, 0.3002

Triad

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



20.7390, 0.3243, 0.2681



20.7390, 0.3906, 0.4123



20.7390, 0.2242, 0.3055

Complementary

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



20.7390, 0.3243, 0.2681



28.7871, 0.3030, 0.3987

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.



20.7390, 0.2508, 0.3572



20.7390, 0.3243, 0.2681



20.7390, 0.3462, 0.4234

Square

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



20.7390, 0.3243, 0.2681



20.7390, 0.4149, 0.3803



20.7390, 0.2950, 0.4034



20.7390, 0.2195, 0.2668

Rectangle

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



20.7390, 0.3243, 0.2681



20.7390, 0.4014, 0.3262



20.7390, 0.2950, 0.4034



20.7390, 0.2307, 0.3220

Sweetspot

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



20.7399, 0.3243, 0.2681



52.0309, 0.3159, 0.3104



17.6533, 0.2702, 0.2481



11.1953, 0.3164, 0.3076



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.7399, 0.3243, 0.2681



33.3611, 0.3274, 0.2547



20.0732, 0.3535, 0.3030



6.7373, 0.3159, 0.3102



7.2059, 0.3624, 0.1770



0.1331, 0.3435, 0.1666

Inverse Universe

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



20.7399, 0.3243, 0.2681



33.3611, 0.3274, 0.2547



29.3988, 0.2841, 0.3568



6.7373, 0.3159, 0.3102



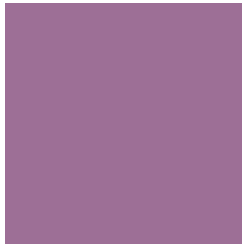
7.2059, 0.3624, 0.1770



0.1331, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 20.7390, 0.3243, 0.2681 looks on a white background.

Color Contrast Check

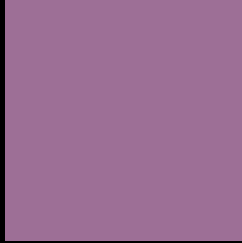
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7390, 0.3243, 0.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

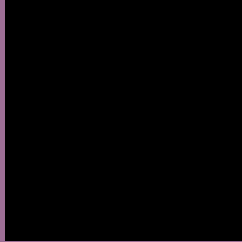
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7390, 0.3243, 0.2681

Background



This preview shows how black text looks on a background with the Yxy color 20.7390, 0.3243, 0.2681.



This preview shows how white text looks on a background with the Yxy color 20.7390, 0.3243, 0.2681.

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

20.7390, 0.3243, 0.2681

Protanopia

20.9523, 0.2696, 0.2699

Deuteranopia

20.8932, 0.2916, 0.2856



Tritanopia

20.8415, 0.3510, 0.3143

Trichromacy



Original Color

20.7390, 0.3243, 0.2681

Protanomaly

20.7388, 0.2878, 0.2684

Deuteranomaly

20.8525, 0.3031, 0.2788

Tritanomaly

20.7244, 0.3412, 0.2967

Monochromacy



Original Color

20.7390, 0.3243, 0.2681

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2142, 0.3163, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7390, 0.3243, 0.2681 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(157, 111, 150)` looks like.

```
.text, #text, p{  
    color:rgb(157, 111, 150)  
}
```

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(157, 111, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 111, 150) }
```

Border

The CSS property to change the border of an element to Yxy 20.7390, 0.3243, 0.2681 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(157, 111, 150) }
```

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

```
.border{ border-color:rgb(157, 111, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 111, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 111, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 111, 150);  
box-shadow:4px 4px 4px 4px rgb(157, 111,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7390, 0.3243, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 111, 150) }
```

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

```
.background{ background-color: rgb(157,  
111, 150) }
```

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