

Converting Colors

$Y_{xy}(24.9630, 0.3221, 0.3623)$

Have a look what the booklet for
Yxy(24.9630, 0.3221, 0.3623)
contains.

Yxy(24.9619, 0.3221, 0.3623)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9619, 0.3221, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	838C79
RGB	131, 140, 121
RGB Percent	51%, 55%, 47%
CMY	0.4862, 0.4510, 0.5254
CMYK	0.06, 0.00, 0.14, 0.45
HSL	88°, 8%, 51%
HSV	88°, 14%, 55%
XYZ	22.1922, 24.9619, 21.7443
YIQ	135.1430, 0.7350, -7.8170

Conversions

Conversions Part 2

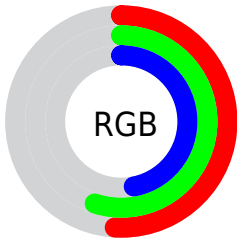
Format	Color
R_{YB}	121, 140, 130
Decimal	8621177
CIE Lab	57.04, -6.93, 9.03
CIE LCh	57, 11.381, 127.534
Yxy	24.9619, 0.3221, 0.3623
Android (android.graphics.Color)	4286811257 (0xFF838C79)
YUV	135.1430, -6.9725, -3.6334
Hunter-Lab	49.9619, -8.1468, 9.1692

Details

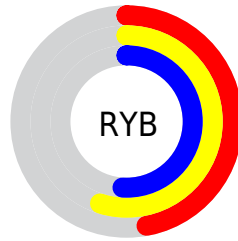
The Yxy color $24.9619, 0.3221, 0.3623$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $20.3195, 0.3023, 0.2956$, and the grayscale version is $24.3124, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.7911, 0.3204, 0.3560$, and $9.5740, 0.3267, 0.3766$ is the 20% darker color. If you saturate the color by 10%, you get $24.1316, 0.3289, 0.3890$, and if you desaturate by 10%, it is $25.8780, 0.3152, 0.3374$.

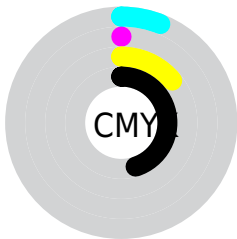
Distribution



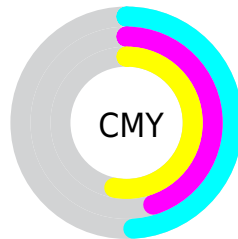
- Red (51%)
- Green (55%)
- Blue (47%)



- Red (47%)
- Yellow (55%)
- Blue (51%)



- Cyan (6%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)





- Cyan (49%)
- Magenta (45%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9619, 0.3221, 0.3623 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 24.9619, 0.3221, 0.3623 by changing the saturation by 10% instead.


 24.9619, 0.3221,
0.3623


 24.9619, 0.3221,
0.3623


277.6482, 0.3171,
0.3437


 16.0487, 0.3235,
0.3678


 51.5954, 0.3202,
0.3550

 9.5586, 0.3253,
0.3754


 70.0845, 0.3195,
0.3524

 5.1073, 0.3279,
0.3867

 92.5343, 0.3189,
0.3503

 2.3104, 0.3317,
0.4053

119.3292, 0.3184,
0.3485

 0.7792, 0.3644,
0.4970

150.8537, 0.3180,
0.3470

 0.0000, 0.0000,
0.0000

187.4921, 0.3176,

0.3457

229.6287, 0.3173,
0.3446

■ 24.9619, 0.3221,
0.3623

■ 24.9619, 0.3221,
0.3623

■ 24.1316, 0.3289,
0.3890

■ 25.8780, 0.3152,
0.3374

■ 23.3812, 0.3353,
0.4171

■ 26.8794, 0.3083,
0.3145

■ 22.7087, 0.3408,
0.4458

■ 27.9696, 0.3017,
0.2937

■ 22.1111, 0.3453,
0.4741

■ 29.1510, 0.2953,
0.2749

■ 21.5850, 0.3481,
0.5009

■ 30.4258, 0.2894,
0.2580

■ 21.1265, 0.3490,
0.5246

■ 31.7964, 0.2838,
0.2429

■ 20.7316, 0.3477,
0.5442

■ 33.2647, 0.2786,
0.2294

■ 20.3953, 0.3444,
0.5588

■ 34.8328, 0.2738,
0.2174

■ 20.2009, 0.3418,
0.5668

■ 36.5028, 0.2693,
0.2067

Harmonies

Analogous

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



24.9619, 0.3397, 0.3625



24.9619, 0.3221, 0.3623



24.9619, 0.3024, 0.3523

Triad

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



24.9619, 0.3221, 0.3623



24.9619, 0.2765, 0.3033



24.9619, 0.3400, 0.3219

Complementary

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



24.9619, 0.3221, 0.3623



20.3195, 0.3023, 0.2956

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.



24.9619, 0.3223, 0.3073



24.9619, 0.3221, 0.3623



24.9619, 0.2859, 0.2965

Square

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



24.9619, 0.3221, 0.3623



24.9619, 0.2765, 0.3175



24.9619, 0.3025, 0.2981



24.9619, 0.3503, 0.3386

Rectangle

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



24.9619, 0.3221, 0.3623



24.9619, 0.2908, 0.3416



24.9619, 0.3025, 0.2981



24.9619, 0.3347, 0.3166

Sweetspot

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



24.9630, 0.3221, 0.3623



45.5370, 0.3155, 0.3387



22.8888, 0.3345, 0.3444



10.4663, 0.3160, 0.3403



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.9630, 0.3221, 0.3623



43.5903, 0.3240, 0.3696



24.2488, 0.3118, 0.3634



5.7293, 0.3190, 0.3511



17.9620, 0.3421, 0.5665



0.1280, 0.3754, 0.5402

Inverse Universe

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



20.3195, 0.3023, 0.2956



33.9059, 0.2999, 0.2883



21.0939, 0.3135, 0.2968



5.0007, 0.3059, 0.3069



2.7312, 0.1999, 0.0875



0.0268, 0.2491, 0.1146

Previews

White Background



This preview shows how the Yxy color 24.9619, 0.3221, 0.3623 looks on a white background.

Color Contrast Check

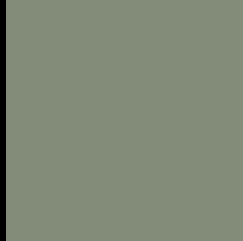
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9619, 0.3221, 0.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

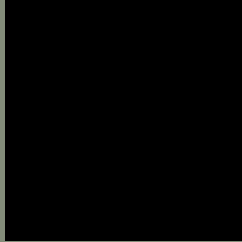
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

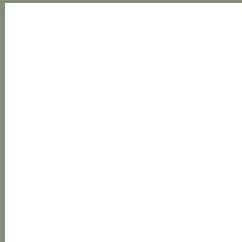
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9619, 0.3221, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 24.9619, 0.3221, 0.3623.



This preview shows how white text looks on a background with the Yxy color 24.9619, 0.3221, 0.3623.

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

24.9619, 0.3221, 0.3623

Protanopia

24.7799, 0.3388, 0.3579

Deuteranopia

24.9012, 0.3498, 0.3437



Tritanopia

24.8658, 0.3005, 0.3106

Trichromacy



Original Color

24.9619, 0.3221, 0.3623

Protanomaly

24.7364, 0.3328, 0.3582

Deuteranomaly

24.8441, 0.3393, 0.3508

Tritanomaly

24.7946, 0.3084, 0.3273

Monochromacy



Original Color

24.9619, 0.3221, 0.3623

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.5714, 0.3166, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9619, 0.3221, 0.3623 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(131, 140, 121)` looks like.

```
.text, #text, p{  
    color:rgb(131, 140, 121)  
}
```

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(131, 140, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 140, 121) }
```

Border

The CSS property to change the border of an element to Yxy 24.9619, 0.3221, 0.3623 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(131, 140, 121) }
```

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

```
.border{ border-color:rgb(131, 140, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 140, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 140, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 140, 121);  
box-shadow:4px 4px 4px 4px rgb(131, 140,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9619, 0.3221, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 140, 121) }
```

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

```
.background{ background-color: rgb(131,  
140, 121) }
```

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