

Converting Colors

$Y_{xy}(24.9677, 0.3357, 0.3509)$

Have a look what the booklet for
Yxy(24.9677, 0.3357, 0.3509)
contains.

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Color

Yxy(24.9677, 0.3357, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	90887B
RGB	144, 136, 123
RGB Percent	56%, 53%, 48%
CMY	0.4351, 0.4667, 0.5176
CMYK	0.00, 0.06, 0.15, 0.44
HSL	37°, 9%, 52%
HSV	37°, 15%, 56%
XYZ	23.8862, 24.9677, 22.2995
YIQ	136.9100, 8.9410, -2.3470

Conversions

Conversions Part 2

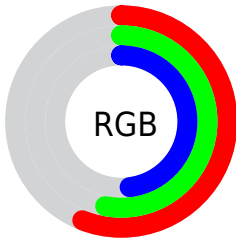
Format	Color
RYB	136, 144, 123
Decimal	9472123
CIELab	57.04, 0.68, 8.05
CIELCh	57, 8.077, 85.139
Yxy	24.9677, 0.3357, 0.3509
Android (android.graphics.Color)	4287662203 (0xFF90887B)
YUV	136.9100, -6.8576, 6.2179
Hunter-Lab	49.9677, -2.1147, 8.5176

Details

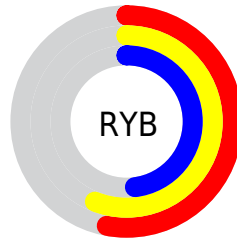
The Yxy color **24.9677, 0.3357, 0.3509** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.4724, 0.2905, 0.3061**, and the grayscale version is **25.0067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4961, 0.3312, 0.3465**, and **9.5297, 0.3458, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **23.1216, 0.3535, 0.3667**, and if you desaturate by 10%, it is **26.9489, 0.3196, 0.3357**.

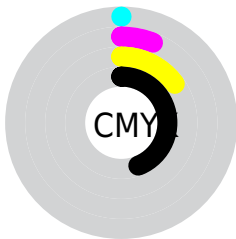
Distribution



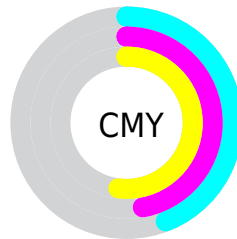
- Red (56%)
- Green (53%)
- Blue (48%)



- Red (53%)
- Yellow (56%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (44%)



- Cyan (44%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9677, 0.3357, 0.3509 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 24.9677, 0.3357, 0.3509 by changing the saturation by 10% instead.

■ 24.9677, 0.3357,
0.3509

■ 24.9677, 0.3357,
0.3509

277.6770, 0.3230,
0.3388

■ 16.0530, 0.3393,
0.3543

■ 51.6048, 0.3308,
0.3462

■ 9.5617, 0.3444,
0.3591

■ 70.0960, 0.3290,
0.3446

■ 5.1093, 0.3517,
0.3659

■ 92.5482, 0.3276,
0.3432

■ 2.3115, 0.3634,
0.3768

119.3457, 0.3264,
0.3420

■ 0.7798, 0.4155,
0.4275

150.8729, 0.3253,
0.3411

■ 0.0000, 0.0000,
0.0000

187.5143, 0.3244,

0.3402

229.6542, 0.3237,
0.3395

■ 24.9677, 0.3357,
0.3509

■ 24.9677, 0.3357,
0.3509

■ 23.1216, 0.3535,
0.3667

■ 26.9489, 0.3196,
0.3357

■ 21.4038, 0.3730,
0.3826

■ 29.0653, 0.3051,
0.3214

■ 19.8118, 0.3940,
0.3982

■ 31.3211, 0.2923,
0.3080

■ 18.3415, 0.4158,
0.4126

■ 33.7195, 0.2809,
0.2955

■ 16.9888, 0.4380,
0.4248

■ 36.2632, 0.2707,
0.2841

■ 15.7491, 0.4594,
0.4338

■ 38.9552, 0.2618,
0.2736

■ 14.6173, 0.4790,
0.4385

■ 41.7982, 0.2538,
0.2640

■ 13.5871, 0.4959,
0.4384

■ 44.7950, 0.2467,
0.2552

■ 13.0658, 0.5047,
0.4374

■ 47.9480, 0.2405,
0.2471

Harmonies

Analogous

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



24.9677, 0.3402, 0.3426



24.9677, 0.3357, 0.3509



24.9677, 0.3250, 0.3534

Triad

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



24.9677, 0.3357, 0.3509



24.9677, 0.2889, 0.3262



24.9677, 0.3137, 0.3101

Complementary

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



24.9677, 0.3357, 0.3509



22.4724, 0.2905, 0.3061

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.



24.9677, 0.3001, 0.3057



24.9677, 0.3357, 0.3509



24.9677, 0.2860, 0.3145

Square

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



24.9677, 0.3357, 0.3509



24.9677, 0.2981, 0.3389



24.9677, 0.2901, 0.3072



24.9677, 0.3274, 0.3193

Rectangle

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



24.9677, 0.3357, 0.3509



24.9677, 0.3159, 0.3512



24.9677, 0.2901, 0.3072



24.9677, 0.3090, 0.3080

Sweetspot

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



24.9688, 0.3357, 0.3509



47.6919, 0.3188, 0.3350



21.7398, 0.3292, 0.3154



10.8792, 0.3198, 0.3360



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.



24.9688, 0.3357, 0.3509



42.7597, 0.3422, 0.3568



27.1032, 0.3311, 0.3642



5.9434, 0.3267, 0.3426



11.4173, 0.5041, 0.4379



0.1519, 0.4588, 0.4739

Inverse Universe

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



22.4724, 0.2905, 0.3061



37.3669, 0.2845, 0.2996



20.5756, 0.2928, 0.2918



5.5722, 0.2990, 0.3151



4.1837, 0.1683, 0.1257



0.0803, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 24.9677, 0.3357, 0.3509 looks on a white background.

Color Contrast Check

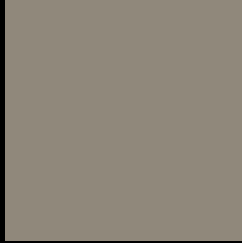
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9677, 0.3357, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

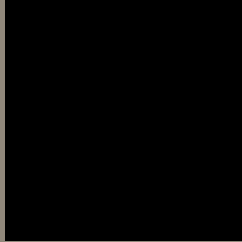
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

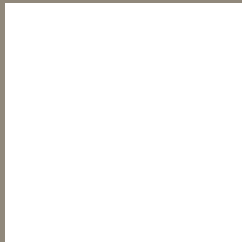
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9677, 0.3357, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 24.9677, 0.3357, 0.3509.



This preview shows how white text looks on a background with the Yxy color 24.9677, 0.3357, 0.3509.

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

24.9677, 0.3357, 0.3509

Protanopia

24.8780, 0.3345, 0.3510

Deuteranopia

24.9263, 0.3486, 0.3420



Tritanopia

24.9613, 0.3180, 0.3128

Trichromacy



Original Color

24.9677, 0.3357, 0.3509

Protanomaly

24.8780, 0.3345, 0.3510

Deuteranomaly

24.8096, 0.3436, 0.3439

Tritanomaly

24.9388, 0.3242, 0.3257

Monochromacy



Original Color

24.9677, 0.3357, 0.3509

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.1327, 0.3212, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9677, 0.3357, 0.3509 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, 136, 123)` looks like.

```
.text, #text, p{  
    color:rgb(144, 136, 123)  
}
```

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, 136, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 136, 123) }
```

Border

The CSS property to change the border of an element to Yxy 24.9677, 0.3357, 0.3509 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, 136, 123) }
```

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

```
.border{ border-color:rgb(144, 136, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 136, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 136, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 136, 123);  
box-shadow:4px 4px 4px 4px rgb(144, 136,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9677, 0.3357, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 136, 123) }
```

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

```
.background{ background-color: rgb(144,  
136, 123) }
```

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](#).

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