

Converting Colors

$Y_{xy}(24.2226, 0.3311, 0.3514)$

Have a look what the booklet for
Yxy(24.2226, 0.3311, 0.3514)
contains.

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Color

Yxy(24.2221, 0.3311, 0.3514)

Conversions

Conversions Part 1	
Format	Color
Hex	8B877A
RGB	139, 135, 122
RGB Percent	55%, 53%, 48%
CMY	0.4549, 0.4706, 0.5216
CMYK	0.00, 0.03, 0.12, 0.45
HSL	46°, 7%, 51%
HSV	46°, 12%, 55%
XYZ	22.8228, 24.2221, 21.8854
YIQ	134.7140, 6.5570, -3.1950

Conversions

Conversions Part 2

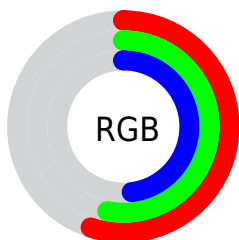
Format	Color
RYB	127, 139, 122
Decimal	9144186
CIELab	56.31, -0.90, 7.52
CIELCh	56, 7.570, 96.852
Yxy	24.2221, 0.3311, 0.3514
Android (android.graphics.Color)	4287334266 (0xFF8B877A)
YUV	134.7140, -6.2680, 3.7588
Hunter-Lab	49.2160, -3.3525, 8.0861

Details

The Yxy color $24.2221, 0.3311, 0.3514$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $20.9189, 0.2942, 0.3056$, and the grayscale version is $24.1389, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.3599, 0.3279, 0.3468$, and $9.1019, 0.3390, 0.3600$ is the 20% darker color. If you saturate the color by 10%, you get $23.0077, 0.3474, 0.3705$, and if you desaturate by 10%, it is $25.5157, 0.3159, 0.3330$.

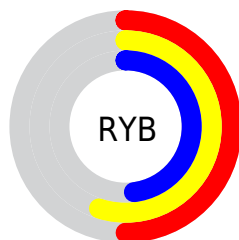
Distribution



Red (55%)

Green (53%)

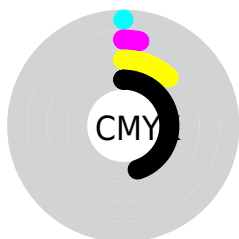
Blue (48%)



Red (50%)

Yellow (55%)

Blue (48%)

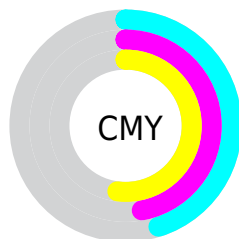


Cyan (0%)

Magenta (3%)

Yellow (12%)

Black (45%)



Cyan (45%)


Magenta (47%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2221, 0.3311, 0.3514 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 24.2221, 0.3311, 0.3514 by changing the saturation by 10% instead.


 24.2221, 0.3311,
0.3514


 24.2221, 0.3311,
0.3514


273.9414, 0.3209,
0.3390


 15.4985, 0.3340,
0.3550


 50.3924, 0.3271,
0.3465

 9.1700, 0.3381,
0.3600


 68.6078, 0.3257,
0.3448

 4.8522, 0.3440,
0.3674


 90.7560, 0.3246,
0.3434

 2.1608, 0.3535,
0.3792

117.2213, 0.3236,
0.3422

 0.6985, 0.4074,
0.4434


148.3881, 0.3228,
0.3412


 0.0000, 0.0000,
0.0000

184.6407, 0.3221,


0.3404


226.3637, 0.3215,
0.3396

 24.2221, 0.3311,
0.3514

 24.2221, 0.3311,
0.3514

 23.0077, 0.3474,
0.3705


 25.5157, 0.3159,
0.3330

 21.8671, 0.3646,
0.3897


 26.8875, 0.3020,
0.3155

 20.7987, 0.3824,
0.4086


 28.3407, 0.2893,
0.2991


 19.8000, 0.4003,
0.4262


 29.8772, 0.2778,
0.2839


 18.8680, 0.4176,
0.4417

 31.4991, 0.2674,
0.2698


 17.9996, 0.4336,
0.4540


 33.2081, 0.2581,
0.2570


 17.1911, 0.4475,
0.4625

 35.0059, 0.2498,
0.2452

 16.4384, 0.4588,
0.4665

 36.8944, 0.2423,
0.2344

 15.8821, 0.4666,
0.4677

 38.8751, 0.2356,
0.2246

Harmonies

Analogous

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



24.2221, 0.3379, 0.3455



24.2221, 0.3311, 0.3514



24.2221, 0.3194, 0.3512

Triad

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



24.2221, 0.3311, 0.3514



24.2221, 0.2883, 0.3217



24.2221, 0.3189, 0.3140

Complementary

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



24.2221, 0.3311, 0.3514



20.9189, 0.2942, 0.3056

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.



24.2221, 0.3056, 0.3079



24.2221, 0.3311, 0.3514



24.2221, 0.2881, 0.3120

Square

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



24.2221, 0.3311, 0.3514



24.2221, 0.2948, 0.3338



24.2221, 0.2944, 0.3071



24.2221, 0.3308, 0.3240

Rectangle

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



24.2221, 0.3311, 0.3514



24.2221, 0.3106, 0.3475



24.2221, 0.2944, 0.3071



24.2221, 0.3145, 0.3115

Sweetspot

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



24.2232, 0.3311, 0.3514



45.2601, 0.3187, 0.3364



20.9205, 0.3288, 0.3216



10.3917, 0.3197, 0.3376



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.



24.2232, 0.3311, 0.3514



42.6971, 0.3361, 0.3573



24.9964, 0.3254, 0.3585



5.6496, 0.3263, 0.3457



14.3639, 0.4663, 0.4679



0.1177, 0.4407, 0.4883

Inverse Universe

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



20.9189, 0.2942, 0.3056



35.4284, 0.2892, 0.2990



20.2381, 0.2990, 0.2987



5.0702, 0.2991, 0.3118



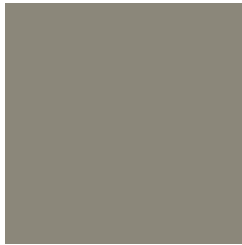
2.6663, 0.1583, 0.0898



0.0371, 0.1783, 0.1618

Previews

White Background



This preview shows how the Yxy color 24.2221, 0.3311, 0.3514 looks on a white background.

Color Contrast Check

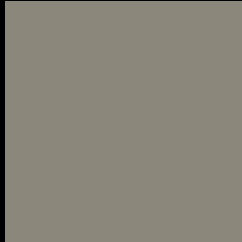
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2221, 0.3311, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

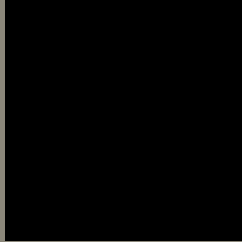
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2221, 0.3311, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 24.2221, 0.3311, 0.3514.



This preview shows how white text looks on a background with the Yxy color 24.2221, 0.3311, 0.3514.

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

24.2221, 0.3311, 0.3514

Protanopia

24.3085, 0.3323, 0.3513

Deuteranopia

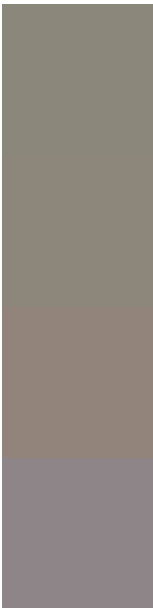
24.0707, 0.3468, 0.3406



Tritanopia

24.2063, 0.3135, 0.3124

Trichromacy



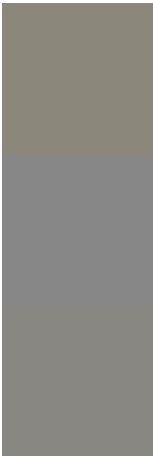
Original Color
24.2221, 0.3311, 0.3514

Protanomaly
24.3085, 0.3323, 0.3513

Deuteranomaly
24.1356, 0.3402, 0.3441

Tritanomaly
24.1870, 0.3197, 0.3257

Monochromacy



Original Color
24.2221, 0.3311, 0.3514

Achromatopsia
24.2281, 0.3127, 0.3290

Achromatomaly
24.1739, 0.3191, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2221, 0.3311, 0.3514 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(139, 135, 122)` looks like.

```
.text, #text, p{  
    color:rgb(139, 135, 122)  
}
```

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(139, 135, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 135, 122) }
```

Border

The CSS property to change the border of an element to Yxy 24.2221, 0.3311, 0.3514 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(139, 135, 122) }
```

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

```
.border{ border-color:rgb(139, 135, 122) }
```

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

Here you see how a box with a 4 pixel rgb(139, 135, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 135, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 135, 122);  
box-shadow:4px 4px 4px 4px rgb(139, 135,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2221, 0.3311, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 135, 122) }
```

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

```
.background{ background-color: rgb(139,  
135, 122) }
```

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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