

Converting Colors

$Y_{xy}(40.1782, 0.3928, 0.3520)$

Have a look what the booklet for
Yxy(40.1782, 0.3928, 0.3520)
contains.

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Color

Yxy(40.1820, 0.3924, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	D89C89
RGB	216, 156, 137
RGB Percent	85%, 61%, 54%
CMY	0.1530, 0.3882, 0.4628
CMYK	0.00, 0.28, 0.37, 0.15
HSL	14°, 50%, 69%
HSV	14°, 37%, 85%
XYZ	44.7176, 40.1820, 29.0596
YIQ	171.7740, 41.8590, 6.8110

Conversions

Conversions Part 2

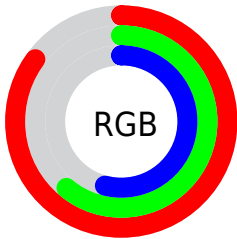
Format	Color
R _Y B	216, 162, 137
Decimal	14195849
CIE Lab	69.60, 19.92, 18.82
CIE LCh	70, 27.402, 43.369
Yxy	40.1820, 0.3924, 0.3526
Android (android.graphics.Color)	4292385929 (0xFFD89C89)
YUV	171.7740, -17.1436, 38.7862
Hunter-Lab	63.3893, 14.9905, 17.1921

Details

The Yxy color **40.1820, 0.3924, 0.3526** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.1836, 0.2582, 0.3037**, and the grayscale version is **41.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5662, 0.3618, 0.3508**, and **17.9597, 0.4168, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **34.4883, 0.4241, 0.3589**, and if you desaturate by 10%, it is **46.7463, 0.3653, 0.3459**.

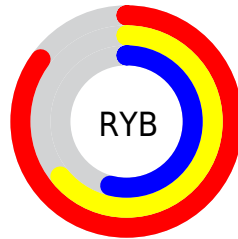
Distribution



Red (85%)

Green (61%)

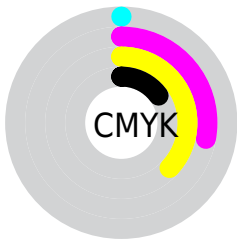
Blue (54%)



Red (85%)

Yellow (64%)

Blue (54%)

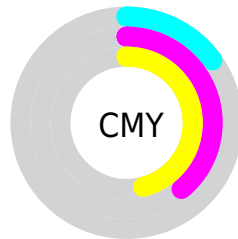


Cyan (0%)

Magenta (28%)

Yellow (37%)

Black (15%)



Cyan (15%)


Magenta (39%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1820, 0.3924, 0.3526 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 40.1820, 0.3924, 0.3526 by changing the saturation by 10% instead.


 40.1820, 0.3924,
0.3526

 40.1820, 0.3924,
0.3526


346.8901, 0.3512,
0.3418


 27.6805, 0.4030,
0.3549


 75.4406, 0.3771,
0.3490

 18.0849, 0.4169,
0.3576


 98.9664, 0.3715,
0.3475

 11.0110, 0.4355,
0.3606


 126.9358, 0.3668,
0.3462

 6.0742, 0.4619,
0.3638

159.7332, 0.3627,
0.3451

 2.8903, 0.5014,
0.3658

197.7429, 0.3592,
0.3441

 1.0747, 0.6099,
0.3901

241.3493, 0.3562,

 0.0000, 1.0000,

0.3433

0.0000

290.9369, 0.3536,
0.3425

0.0000, 0.0000,
0.0000

40.1820, 0.3924,
0.3526

40.1820, 0.3924,
0.3526

34.4883, 0.4241,
0.3589

46.7463, 0.3653,
0.3459

29.6224, 0.4602,
0.3642

54.2102, 0.3425,
0.3393

25.5466, 0.4994,
0.3674

62.6083, 0.3235,
0.3329

22.2176, 0.5390,
0.3674

71.9718, 0.3076,
0.3270

19.5878, 0.5751,
0.3635

82.3302, 0.2944,
0.3216

■ 17.6028, 0.6031,
0.3557

■ 92.9441, 0.2894,
0.3283

■ 17.0549, 0.6112,
0.3529

■ 93.3360, 0.2894,
0.3289

Harmonies

Analogous

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



40.1820, 0.3748, 0.3199



40.1820, 0.3924, 0.3526



40.1820, 0.3868, 0.3821

Triad

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



40.1820, 0.3924, 0.3526



40.1820, 0.2836, 0.3723



40.1820, 0.2638, 0.2637

Complementary

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



40.1820, 0.3924, 0.3526



50.1836, 0.2582, 0.3037

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.



40.1820, 0.2428, 0.2724



40.1820, 0.3924, 0.3526



40.1820, 0.2535, 0.3340

Square

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



40.1820, 0.3924, 0.3526



40.1820, 0.3227, 0.3973



40.1820, 0.2391, 0.2971



40.1820, 0.2986, 0.2706

Rectangle

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



40.1820, 0.3924, 0.3526



40.1820, 0.3713, 0.3958



40.1820, 0.2391, 0.2971



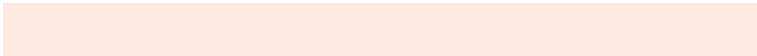
40.1820, 0.2550, 0.2648

Sweetspot

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



40.1839, 0.3924, 0.3526



85.4826, 0.3316, 0.3357



36.5393, 0.3346, 0.2580



17.9394, 0.3343, 0.3366



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.1839, 0.3924, 0.3526



51.9230, 0.4169, 0.3576



55.3940, 0.3756, 0.3976



12.9018, 0.3285, 0.3347



10.2381, 0.6087, 0.3549



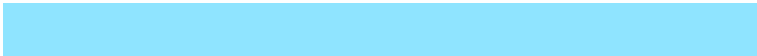
0.7480, 0.5744, 0.3821

Inverse Universe

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



50.1836, 0.2582, 0.3037



68.5119, 0.2477, 0.2973



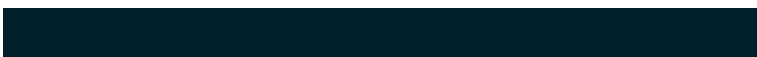
34.7448, 0.2505, 0.2491



13.5773, 0.2982, 0.3233



18.8175, 0.2027, 0.2497



1.2595, 0.2069, 0.2649

Previews

White Background



This preview shows how the Yxy color 40.1820, 0.3924, 0.3526 looks on a white background.

Color Contrast Check

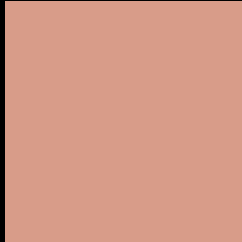
Large Text (above 18pt) WCAG AA × Fail

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 40.1820, 0.3924, 0.3526 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 ✓ Pass

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

Yxy 40.1820, 0.3924, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 40.1820, 0.3924, 0.3526.



This preview shows how white text looks on a background with the Yxy color 40.1820, 0.3924, 0.3526.

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

40.1820, 0.3924, 0.3526

Protanopia

40.3468, 0.3438, 0.3651

Deuteranopia

40.4706, 0.3729, 0.3657



Tritanopia

40.1969, 0.3691, 0.3147

Trichromacy



Original Color

40.1820, 0.3924, 0.3526

Protanomaly

40.0398, 0.3608, 0.3612

Deuteranomaly

40.2464, 0.3802, 0.3611

Tritanomaly

40.0210, 0.3781, 0.3280

Monochromacy



Original Color

40.1820, 0.3924, 0.3526

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.4670, 0.3398, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1820, 0.3924, 0.3526 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(216, 156, 137)` looks like.

```
.text, #text, p{  
    color:rgb(216, 156, 137)  
}
```

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(216, 156, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 156, 137) }
```

Border

The CSS property to change the border of an element to Yxy 40.1820, 0.3924, 0.3526 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(216, 156, 137) }
```

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

```
.border{ border-color:rgb(216, 156, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 156, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 156, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 156, 137);  
box-shadow:4px 4px 4px 4px rgb(216, 156,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1820, 0.3924, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 156, 137) }
```

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

```
.background{ background-color: rgb(216,  
156, 137) }
```

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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