

Converting Colors

$Y_{xy}(47.7726, 0.3512, 0.3624)$

Have a look what the booklet for
Yxy(47.7726, 0.3512, 0.3624)
contains.

Yxy(47.6937, 0.3512, 0.3621)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6937, 0.3512, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	C8B59B
RGB	200, 181, 155
RGB Percent	78%, 71%, 61%
CMY	0.2157, 0.2902, 0.3923
CMYK	0.00, 0.09, 0.23, 0.22
HSL	35°, 29%, 70%
HSV	35°, 23%, 78%
XYZ	46.2580, 47.6937, 37.7625
YIQ	183.7170, 19.6700, -4.0580

Conversions

Conversions Part 2

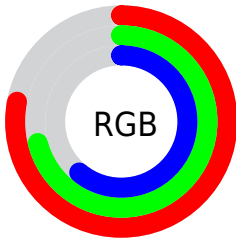
Format	Color
RYB	188, 200, 155
Decimal	13153691
CIELab	74.63, 2.64, 15.74
CIELCh	75, 15.964, 80.468
Yxy	47.6937, 0.3512, 0.3621
Android (android.graphics.Color)	4291343771 (0xFFC8B59B)
YUV	183.7170, -14.1575, 14.2802
Hunter-Lab	69.0606, -1.2937, 15.9226

Details

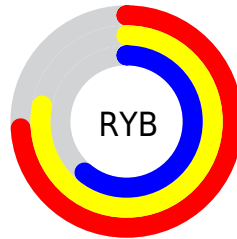
The Yxy color $47.6937, 0.3512, 0.3621$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $41.3933, 0.2770, 0.2935$, and the grayscale version is $47.8400, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.4318, 0.3430, 0.3570$, and $22.5488, 0.3624, 0.3702$ is the 20% darker color. If you saturate the color by 10%, you get $43.7509, 0.3715, 0.3775$, and if you desaturate by 10%, it is $51.9598, 0.3329, 0.3470$.

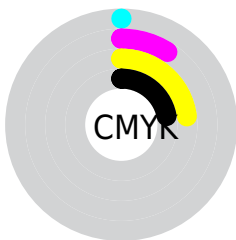
Distribution



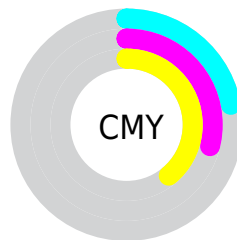
- Red (78%)
- Green (71%)
- Blue (61%)



- Red (74%)
- Yellow (78%)
- Blue (61%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (22%)




- Cyan (22%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6937, 0.3512, 0.3621 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 47.6937, 0.3512, 0.3621 by changing the saturation by 10% instead.


 47.6937, 0.3512,
0.3621

 47.6937, 0.3512,
0.3621


377.5767, 0.3320,
0.3458

 33.5844, 0.3560,
0.3661


 86.7482, 0.3442,
0.3562

 22.5745, 0.3621,
0.3712


 112.4621, 0.3416,
0.3540

 14.2796, 0.3701,
0.3778


142.8131, 0.3394,
0.3521

 8.3154, 0.3812,
0.3868

178.1854, 0.3375,
0.3505

 4.2974, 0.3974,
0.3998

218.9636, 0.3359,
0.3491

 1.8413, 0.4258,
0.4222

265.5319, 0.3344,

 0.5127, 0.5184,

0.3478

0.4816

318.2748, 0.3331,
0.3467

0.0000, 0.0000,
0.0000

47.6937, 0.3512,
0.3621

47.6937, 0.3512,
0.3621

43.7509, 0.3715,
0.3775

51.9598, 0.3329,
0.3470

40.1160, 0.3936,
0.3927

56.5515, 0.3165,
0.3325

36.7813, 0.4171,
0.4067

61.4792, 0.3021,
0.3189

33.7364, 0.4413,
0.4186

66.7507, 0.2893,
0.3063

30.9702, 0.4651,
0.4272

72.3736, 0.2781,
0.2946

■ 28.4702, 0.4871,
0.4313

■ 77.0017, 0.2787,
0.3039

■ 26.2219, 0.5062,
0.4301

■ 81.8556, 0.2794,
0.3131

■ 24.6883, 0.5186,
0.4264

■ 86.9404, 0.2800,
0.3221

■ 91.0199, 0.2805,
0.3289

Harmonies

Analogous

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



47.6937, 0.3567, 0.3475



47.6937, 0.3512, 0.3621



47.6937, 0.3352, 0.3683

Triad

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



47.6937, 0.3512, 0.3621



47.6937, 0.2767, 0.3273



47.6937, 0.3106, 0.2977

Complementary

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



47.6937, 0.3512, 0.3621



41.3933, 0.2770, 0.2935

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.



47.6937, 0.2896, 0.2920



47.6937, 0.3512, 0.3621



47.6937, 0.2706, 0.3081

Square

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



47.6937, 0.3512, 0.3621



47.6937, 0.2923, 0.3479



47.6937, 0.2752, 0.2956



47.6937, 0.3328, 0.3110

Rectangle

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



47.6937, 0.3512, 0.3621



47.6937, 0.3211, 0.3662



47.6937, 0.2752, 0.2956



47.6937, 0.3032, 0.2949

Sweetspot

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



47.6959, 0.3512, 0.3621



94.1931, 0.3238, 0.3390



38.7861, 0.3390, 0.3042



20.0569, 0.3248, 0.3399



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.



47.6959, 0.3512, 0.3621



79.1819, 0.3608, 0.3696



55.5463, 0.3438, 0.3851



11.6383, 0.3275, 0.3424



15.8776, 0.5168, 0.4278



0.8929, 0.4912, 0.4482

Inverse Universe

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



41.3933, 0.2770, 0.2935



66.3761, 0.2688, 0.2847



34.8676, 0.2775, 0.2670



11.0105, 0.2983, 0.3153



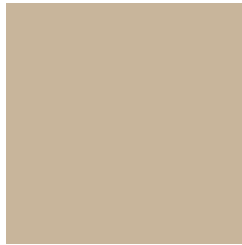
6.8879, 0.1707, 0.1344



0.4688, 0.1822, 0.1760

Previews

White Background



This preview shows how the Yxy color 47.6937, 0.3512, 0.3621 looks on a white background.

Color Contrast Check

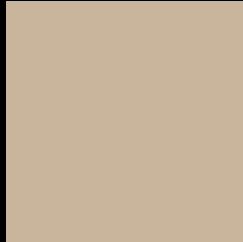
Large Text (above 18pt) WCAG AA × Fail

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 47.6937, 0.3512, 0.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

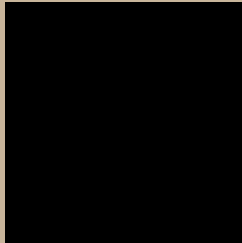
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6937, 0.3512, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 47.6937, 0.3512, 0.3621.



This preview shows how white text looks on a background with the Yxy color 47.6937, 0.3512, 0.3621.

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

47.6937, 0.3512, 0.3621

Protanopia

47.6047, 0.3435, 0.3639

Deuteranopia

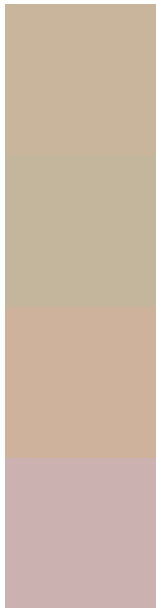
47.6935, 0.3616, 0.3549



Tritanopia

47.6057, 0.3258, 0.3119

Trichromacy



Original Color

47.6937, 0.3512, 0.3621

Protanomaly

47.5920, 0.3464, 0.3624

Deuteranomaly

47.5065, 0.3576, 0.3565

Tritanomaly

47.7116, 0.3357, 0.3303

Monochromacy



Original Color

47.6937, 0.3512, 0.3621

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.8313, 0.3267, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6937, 0.3512, 0.3621 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(200, 181, 155)` looks like.

```
.text, #text, p{  
    color:rgb(200, 181, 155)  
}
```

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(200, 181, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 181, 155) }
```

Border

The CSS property to change the border of an element to Yxy 47.6937, 0.3512, 0.3621 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(200, 181, 155) }
```

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

```
.border{ border-color:rgb(200, 181, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 181, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 181, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 181, 155);  
box-shadow:4px 4px 4px 4px rgb(200, 181,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6937, 0.3512, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 181, 155) }
```

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

```
.background{ background-color: rgb(200,  
181, 155) }
```

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