

Converting Colors

$Y_{xy}(40.7996, 0.3624, 0.3513)$

Have a look what the booklet for
Yxy(40.7996, 0.3624, 0.3513)
contains.

Yxy(40.7996, 0.3624, 0.3513)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7996, 0.3624, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	C7A493
RGB	199, 164, 147
RGB Percent	78%, 64%, 58%
CMY	0.2197, 0.3568, 0.4236
CMYK	0.00, 0.18, 0.26, 0.22
HSL	20°, 32%, 68%
HSV	20°, 26%, 78%
XYZ	42.0887, 40.7996, 33.2506
YIQ	172.5270, 26.3170, 2.1330

Conversions

Conversions Part 2

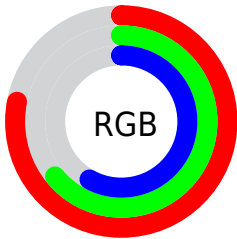
Format	Color
R _Y B	199, 172, 147
Decimal	13083795
CIE Lab	70.04, 10.26, 13.65
CIE LCh	70, 17.082, 53.068
Yxy	40.7996, 0.3624, 0.3513
Android (android.graphics.Color)	4291273875 (0xFFC7A493)
YUV	172.5270, -12.5848, 23.2168
Hunter-Lab	63.8746, 5.8382, 13.8482

Details

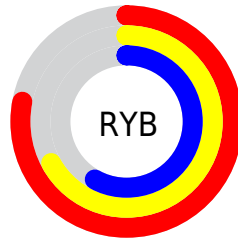
The Yxy color **40.7996, 0.3624, 0.3513** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.7531, 0.2727, 0.3055**, and the grayscale version is **41.5903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1401, 0.3519, 0.3474**, and **18.3622, 0.3779, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **35.6904, 0.3876, 0.3603**, and if you desaturate by 10%, it is **46.5243, 0.3408, 0.3424**.

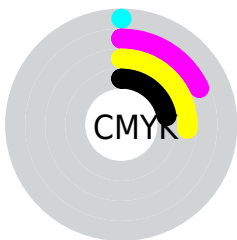
Distribution



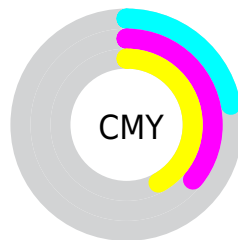
- Red (78%)
- Green (64%)
- Blue (58%)



- Red (78%)
- Yellow (67%)
- Blue (58%)



- Cyan (0%)
- Magenta (18%)
- Yellow (26%)
- Black (22%)





- Cyan (22%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7996, 0.3624, 0.3513 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 40.7996, 0.3624, 0.3513 by changing the saturation by 10% instead.


 40.7996, 0.3624,
0.3513


 40.7996, 0.3624,
0.3513


349.4824, 0.3368,
0.3404

 28.1625, 0.3690,
0.3539


 76.3796, 0.3529,
0.3474

 18.4482, 0.3776,
0.3572


 100.0913, 0.3494,
0.3459

 11.2723, 0.3893,
0.3615


128.2633, 0.3465,
0.3446

 6.2503, 0.4060,
0.3671

161.2801, 0.3440,
0.3436

 2.9979, 0.4315,
0.3747

199.5260, 0.3418,
0.3426

 1.1306, 0.5021,
0.4063

243.3854, 0.3399,

 0.0039, 0.9849,

0.3418

0.0151

293.2427, 0.3383,
0.3410

0.0000, 0.0000,
0.0000

40.7996, 0.3624,
0.3513

40.7996, 0.3624,
0.3513

35.6904, 0.3876,
0.3603

46.5243, 0.3408,
0.3424

31.1700, 0.4166,
0.3689

52.8788, 0.3225,
0.3339

27.2179, 0.4491,
0.3764

59.8840, 0.3070,
0.3260

23.8103, 0.4841,
0.3816

67.5582, 0.2939,
0.3187

20.9214, 0.5197,
0.3834

75.9189, 0.2828,
0.3120

■ 18.5230, 0.5529,
0.3807

■ 84.2292, 0.2791,
0.3176

■ 16.5830, 0.5805,
0.3731

■ 90.8788, 0.2800,
0.3289

■ 15.9427, 0.5901,
0.3697

Harmonies

Analogous

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



40.7996, 0.3559, 0.3306



40.7996, 0.3624, 0.3513



40.7996, 0.3549, 0.3673

Triad

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



40.7996, 0.3624, 0.3513



40.7996, 0.2878, 0.3484



40.7996, 0.2885, 0.2877

Complementary

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



40.7996, 0.3624, 0.3513



43.7531, 0.2727, 0.3055

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.



40.7996, 0.2716, 0.2906



40.7996, 0.3624, 0.3513



40.7996, 0.2712, 0.3249

Square

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



40.7996, 0.3624, 0.3513



40.7996, 0.3114, 0.3667



40.7996, 0.2654, 0.3038



40.7996, 0.3125, 0.2950

Rectangle

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



40.7996, 0.3624, 0.3513



40.7996, 0.3433, 0.3727



40.7996, 0.2654, 0.3038



40.7996, 0.2819, 0.2875

Sweetspot

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



40.8015, 0.3624, 0.3513



90.3144, 0.3259, 0.3356



36.3976, 0.3313, 0.2839



18.9591, 0.3286, 0.3368



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.



40.8015, 0.3624, 0.3513



66.5651, 0.3753, 0.3561



50.8306, 0.3545, 0.3826



11.1952, 0.3281, 0.3366



10.3977, 0.5876, 0.3716



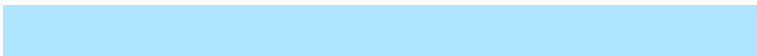
0.6254, 0.5464, 0.4044

Inverse Universe

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



43.7531, 0.2727, 0.3055



72.5361, 0.2647, 0.3000



34.2718, 0.2693, 0.2690



11.4591, 0.2984, 0.3213



13.7433, 0.1943, 0.2193



0.7789, 0.2014, 0.2448

Previews

White Background



This preview shows how the Yxy color 40.7996, 0.3624, 0.3513 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 40.7996, 0.3624, 0.3513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

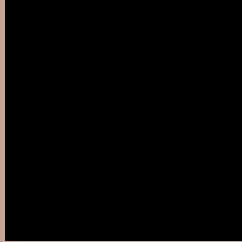
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7996, 0.3624, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 40.7996, 0.3624, 0.3513.



This preview shows how white text looks on a background with the Yxy color 40.7996, 0.3624, 0.3513.

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

40.7996, 0.3624, 0.3513

Protanopia

40.9115, 0.3383, 0.3580

Deuteranopia

40.8872, 0.3601, 0.3527



Tritanopia

40.7153, 0.3415, 0.3126

Trichromacy



Original Color

40.7996, 0.3624, 0.3513

Protanomaly

40.6143, 0.3466, 0.3548

Deuteranomaly

41.0226, 0.3611, 0.3526

Tritanomaly

40.5876, 0.3489, 0.3253

Monochromacy



Original Color

40.7996, 0.3624, 0.3513

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.3749, 0.3289, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7996, 0.3624, 0.3513 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(199, 164, 147)` looks like.

```
.text, #text, p{  
    color:rgb(199, 164, 147)  
}
```

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(199, 164, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 147) }
```

Border

The CSS property to change the border of an element to Yxy 40.7996, 0.3624, 0.3513 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(199, 164, 147) }
```

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

```
.border{ border-color:rgb(199, 164, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 164, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 164, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 164, 147);  
box-shadow:4px 4px 4px 4px rgb(199, 164,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7996, 0.3624, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 164, 147) }
```

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

```
.background{ background-color: rgb(199,  
164, 147) }
```

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