

Converting Colors

$Y_{xy}(28.8387, 0.3777, 0.3475)$

Have a look what the booklet for
Yxy(28.8387, 0.3777, 0.3475)
contains.

Yxy(28.7417, 0.3778, 0.3480)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.7417, 0.3778, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	B4887B
RGB	180, 136, 123
RGB Percent	71%, 53%, 48%
CMY	0.2941, 0.4667, 0.5176
CMYK	0.00, 0.24, 0.32, 0.29
HSL	14°, 28%, 59%
HSV	14°, 32%, 71%
XYZ	31.2029, 28.7417, 22.6465
YIQ	147.6740, 30.3970, 5.2850

Conversions

Conversions Part 2

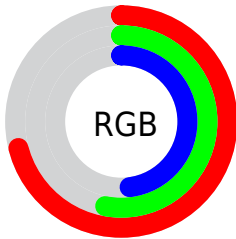
Format	Color
R _Y B	180, 140, 123
Decimal	11831419
CIE Lab	60.55, 14.95, 13.49
CIE LCh	61, 20.139, 42.055
Yxy	28.7417, 0.3778, 0.3480
Android (android.graphics.Color)	4290021499 (0xFFB4887B)
YUV	147.6740, -12.1643, 28.3499
Hunter-Lab	53.6113, 10.0711, 12.4826

Details

The Yxy color $28.7417, 0.3778, 0.3480$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $35.1506, 0.2658, 0.3090$, and the grayscale version is $29.5147, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.4949, 0.3649, 0.3447$, and $11.5856, 0.4018, 0.3535$ is the 20% darker color. If you saturate the color by 10%, you get $24.6685, 0.4070, 0.3542$, and if you desaturate by 10%, it is $33.4081, 0.3531, 0.3417$.

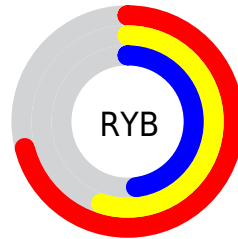
Distribution



Red (71%)

Green (53%)

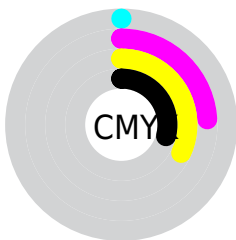
Blue (48%)



Red (71%)

Yellow (55%)

Blue (48%)

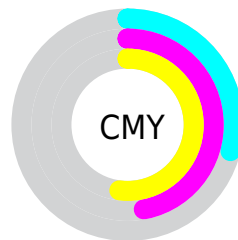


Cyan (0%)

Magenta (24%)

Yellow (32%)

Black (29%)



Cyan (29%)


Magenta (47%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7417, 0.3778, 0.3480 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 28.7417, 0.3778, 0.3480 by changing the saturation by 10% instead.


 28.7417, 0.3778,
0.3480


 28.7417, 0.3778,
0.3480


295.9943, 0.3423,
0.3386

 18.8855, 0.3877,
0.3502


 57.6664, 0.3642,
0.3446

 11.5876, 0.4011,
0.3530


 77.5038, 0.3593,
0.3433

 6.4635, 0.4202,
0.3564


 101.4370, 0.3552,
0.3423

 3.1289, 0.4494,
0.3602

129.8504, 0.3518,
0.3413

 1.1994, 0.5188,
0.3776

163.1284, 0.3489,
0.3405

 0.0612, 0.8736,
0.1264

201.6555, 0.3464,

 0.0000, 0.0000,

0.3398

0.0000

245.8160, 0.3442,
0.3391

■ 28.7417, 0.3778,
0.3480

■ 28.7417, 0.3778,
0.3480

■ 24.6685, 0.4070,
0.3542

■ 33.4081, 0.3531,
0.3417

■ 21.1607, 0.4408,
0.3597

■ 38.6862, 0.3325,
0.3356

■ 18.1938, 0.4785,
0.3638


■ 44.5988, 0.3153,
0.3299


■ 15.7403, 0.5184,
0.3656


■ 51.1660, 0.3010,
0.3246

■ 13.7701, 0.5571,
0.3640


■ 58.4073, 0.2890,
0.3198

 12.2493, 0.5902,
0.3585

 66.3413, 0.2790,
0.3154

 11.2911, 0.6120,
0.3523

 74.9858, 0.2705,
0.3114

 83.5596, 0.2692,
0.3204

 88.4437, 0.2701,
0.3289

Harmonies

Analogous

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



28.7417, 0.3626, 0.3206



28.7417, 0.3778, 0.3480



28.7417, 0.3743, 0.3724

Triad

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



28.7417, 0.3778, 0.3480



28.7417, 0.2903, 0.3654



28.7417, 0.2712, 0.2747

Complementary

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



28.7417, 0.3778, 0.3480



35.1506, 0.2658, 0.3090

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.



28.7417, 0.2541, 0.2830



28.7417, 0.3778, 0.3480



28.7417, 0.2646, 0.3348

Square

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



28.7417, 0.3778, 0.3480



28.7417, 0.3228, 0.3850



28.7417, 0.2518, 0.3044



28.7417, 0.2999, 0.2798

Rectangle

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



28.7417, 0.3778, 0.3480



28.7417, 0.3622, 0.3836



28.7417, 0.2518, 0.3044



28.7417, 0.2640, 0.2760

Sweetspot

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



28.7430, 0.3778, 0.3480



72.7204, 0.3279, 0.3342



26.6876, 0.3297, 0.2671



15.3962, 0.3305, 0.3350



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.7430, 0.3778, 0.3480



46.8409, 0.3977, 0.3524



37.6337, 0.3660, 0.3863



8.8091, 0.3282, 0.3343



7.9666, 0.6100, 0.3538



0.3392, 0.5565, 0.3963

Inverse Universe

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



35.1506, 0.2658, 0.3090



60.2727, 0.2562, 0.3039



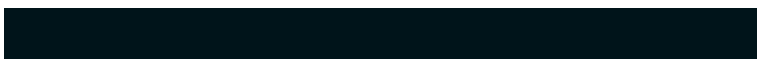
26.0195, 0.2605, 0.2641



9.2966, 0.2986, 0.3237



15.2878, 0.2042, 0.2549



0.5618, 0.2105, 0.2779

Previews

White Background



This preview shows how the Yxy color 28.7417, 0.3778, 0.3480 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 28.7417, 0.3778, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

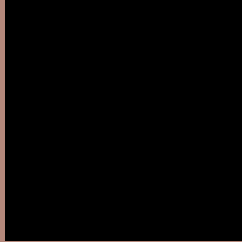
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7417, 0.3778, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 28.7417, 0.3778, 0.3480.



This preview shows how white text looks on a background with the Yxy color 28.7417, 0.3778, 0.3480.

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

28.7417, 0.3778, 0.3480

Protanopia

28.8886, 0.3382, 0.3577

Deuteranopia

28.8899, 0.3642, 0.3579



Tritanopia

28.7033, 0.3581, 0.3149

Trichromacy



Original Color

28.7417, 0.3778, 0.3480

Protanomaly

28.6389, 0.3526, 0.3538

Deuteranomaly

28.7546, 0.3696, 0.3545

Tritanomaly

28.6515, 0.3647, 0.3263

Monochromacy



Original Color

28.7417, 0.3778, 0.3480

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.2842, 0.3350, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7417, 0.3778, 0.3480 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(180, 136, 123)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 136, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 136, 123) }
```

Border

The CSS property to change the border of an element to Yxy 28.7417, 0.3778, 0.3480 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(180, 136, 123) }
```

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

```
.border{ border-color:rgb(180, 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(180, 136, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 136, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 136, 123);  
box-shadow:4px 4px 4px 4px rgb(180, 136,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7417, 0.3778, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 136, 123) }
```

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

```
.background{ background-color: rgb(180,  
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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