

Converting Colors

$Y_{xy}(28.1777, 0.3786, 0.3499)$

Have a look what the booklet for
Yxy(28.1777, 0.3786, 0.3499)
contains.

Yxy(28.1734, 0.3782, 0.3497)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1734, 0.3782, 0.3497)

Conversions

Conversions Part 1

Format	Color
Hex	B28779
RGB	178, 135, 121
RGB Percent	70%, 53%, 47%
CMY	0.3021, 0.4705, 0.5255
CMYK	0.00, 0.24, 0.32, 0.30
HSL	15°, 27%, 59%
HSV	15°, 32%, 70%
XYZ	30.4695, 28.1734, 21.9216
YIQ	146.2610, 30.1220, 4.7620

Conversions

Conversions Part 2

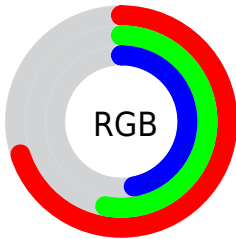
Format	Color
R_{YB}	178, 140, 121
Decimal	11700089
CIE _{Lab}	60.05, 14.42, 13.89
CIE _{LCh}	60, 20.022, 43.935
Yxy	28.1734, 0.3782, 0.3497
Android (android.graphics.Color)	4289890169 (0xFFB28779)
YUV	146.2610, -12.4537, 27.8351
Hunter-Lab	53.0786, 9.5793, 12.6681

Details

The Yxy color $28.1734, 0.3782, 0.3497$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $33.8108, 0.2651, 0.3071$, and the grayscale version is $28.9001, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.6457, 0.3651, 0.3459$, and $11.2500, 0.4027, 0.3559$ is the 20% darker color. If you saturate the color by 10%, you get $24.2658, 0.4071, 0.3563$, and if you desaturate by 10%, it is $32.6361, 0.3537, 0.3429$.

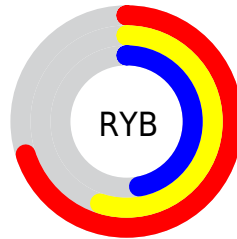
Distribution



Red (70%)

Green (53%)

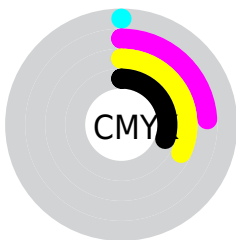
Blue (47%)



Red (70%)

Yellow (55%)

Blue (47%)

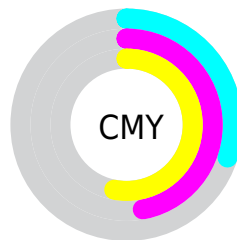


Cyan (0%)

Magenta (24%)

Yellow (32%)

Black (30%)



Cyan (30%)


Magenta (47%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1734, 0.3782, 0.3497 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 28.1734, 0.3782, 0.3497 by changing the saturation by 10% instead.

 28.1734, 0.3782,
0.3497


 28.1734, 0.3782,
0.3497


293.2946, 0.3424,
0.3393


 18.4564, 0.3882,
0.3522


 56.7612, 0.3644,
0.3460

 11.2782, 0.4019,
0.3553


 76.4007, 0.3595,
0.3446

 6.2543, 0.4213,
0.3591


 100.1166, 0.3554,
0.3434

 3.0003, 0.4510,
0.3636

128.2932, 0.3520,
0.3423

 1.1319, 0.5299,
0.3880

161.3149, 0.3490,
0.3414

 0.0050, 0.9862,
0.0138

199.5661, 0.3465,

 0.0000, 0.0000,

0.3406

0.0000

243.4312, 0.3443,
0.3399

■ 28.1734, 0.3782,
0.3497

■ 28.1734, 0.3782,
0.3497

■ 24.2658, 0.4071,
0.3563

■ 32.6361, 0.3537,
0.3429

■ 20.8873, 0.4404,
0.3623

■ 37.6707, 0.3330,
0.3364

■ 18.0160, 0.4775,
0.3668


■ 43.2979, 0.3158,
0.3302


■ 15.6265, 0.5166,
0.3687


■ 49.5365, 0.3014,
0.3245

■ 13.6913, 0.5545,
0.3672

■ 56.4043, 0.2894,
0.3192


 12.1797, 0.5870,
0.3615

 63.9183, 0.2792,
0.3145

 11.2468, 0.6081,
0.3554

 72.0950, 0.2707,
0.3101

 80.3989, 0.2675,
0.3151

 88.2009, 0.2691,
0.3289

Harmonies

Analogous

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



28.1734, 0.3641, 0.3223



28.1734, 0.3782, 0.3497



28.1734, 0.3735, 0.3737

Triad

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



28.1734, 0.3782, 0.3497



28.1734, 0.2883, 0.3637



28.1734, 0.2727, 0.2746

Complementary

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



28.1734, 0.3782, 0.3497



33.8108, 0.2651, 0.3071

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.



28.1734, 0.2547, 0.2821



28.1734, 0.3782, 0.3497



28.1734, 0.2633, 0.3328

Square

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



28.1734, 0.3782, 0.3497



28.1734, 0.3207, 0.3843



28.1734, 0.2514, 0.3027



28.1734, 0.3019, 0.2805

Rectangle

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



28.1734, 0.3782, 0.3497



28.1734, 0.3608, 0.3844



28.1734, 0.2514, 0.3027



28.1734, 0.2652, 0.2756

Sweetspot

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



28.1747, 0.3782, 0.3497



70.1345, 0.3296, 0.3352



25.8410, 0.3310, 0.2677



15.2369, 0.3322, 0.3361



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.



28.1747, 0.3782, 0.3497



46.2898, 0.3969, 0.3542



36.9562, 0.3662, 0.3882



8.8337, 0.3281, 0.3347



8.1361, 0.6062, 0.3569



0.3493, 0.5516, 0.4002

Inverse Universe

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



33.8108, 0.2651, 0.3071



58.0140, 0.2559, 0.3019



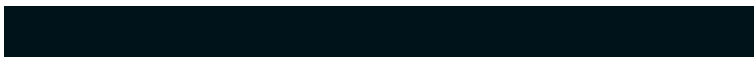
24.9407, 0.2597, 0.2617



9.2702, 0.2986, 0.3233



14.6418, 0.2024, 0.2486



0.5458, 0.2093, 0.2736

Previews

White Background



This preview shows how the Yxy color 28.1734, 0.3782, 0.3497 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 28.1734, 0.3782, 0.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

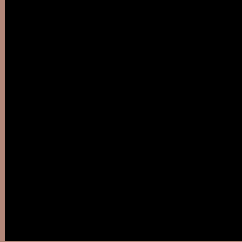
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1734, 0.3782, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 28.1734, 0.3782, 0.3497.



This preview shows how white text looks on a background with the Yxy color 28.1734, 0.3782, 0.3497.

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

28.1734, 0.3782, 0.3497

Protanopia

28.4326, 0.3394, 0.3595

Deuteranopia

28.1461, 0.3660, 0.3581



Tritanopia

28.1588, 0.3572, 0.3148

Trichromacy



Original Color

28.1734, 0.3782, 0.3497

Protanomaly

28.0821, 0.3528, 0.3556

Deuteranomaly

28.3037, 0.3711, 0.3561

Tritanomaly

28.0800, 0.3651, 0.3277

Monochromacy



Original Color

28.1734, 0.3782, 0.3497

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.4212, 0.3353, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1734, 0.3782, 0.3497 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(178, 135, 121)` looks like.

```
.text, #text, p{  
    color:rgb(178, 135, 121)  
}
```

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(178, 135, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 135, 121) }
```

Border

The CSS property to change the border of an element to Yxy 28.1734, 0.3782, 0.3497 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(178, 135, 121) }
```

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

```
.border{ border-color:rgb(178, 135, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 135, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 135, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 135, 121);  
box-shadow:4px 4px 4px 4px rgb(178, 135,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1734, 0.3782, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 135, 121) }
```

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

```
.background{ background-color: rgb(178,  
135, 121) }
```

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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