

Converting Colors

$Y_{xy}(12.9856, 0.3390, 0.3086)$

Have a look what the booklet for
Yxy(12.9856, 0.3390, 0.3086)
contains.

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Color

Yxy(12.9980, 0.3384, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	785E68
RGB	120, 94, 104
RGB Percent	47%, 37%, 41%
CMY	0.5294, 0.6314, 0.5921
CMYK	0.00, 0.22, 0.13, 0.53
HSL	337°, 12%, 42%
HSV	337°, 22%, 47%
XYZ	14.2485, 12.9980, 14.8591
YIQ	102.9140, 12.2860, 8.6220

Conversions

Conversions Part 2

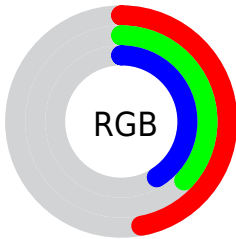
Format	Color
R_{YB}	120, 94, 104
Decimal	7888488
CIE _{Lab}	42.76, 12.33, -1.66
CIE _{LCh}	43, 12.446, 352.343
Yxy	12.9980, 0.3384, 0.3087
Android (android.graphics.Color)	4286078568 (0xFF785E68)
YUV	102.9140, 0.5354, 14.9844
Hunter-Lab	36.0527, 7.4534, 0.8007

Details

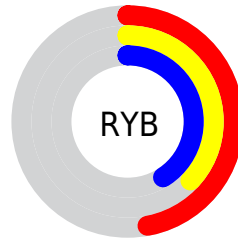
The Yxy color **12.9980, 0.3384, 0.3087** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9399, 0.2925, 0.3503**, and the grayscale version is **13.5365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1973, 0.3325, 0.3132**, and **3.7489, 0.3514, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **10.8842, 0.3542, 0.2988**, and if you desaturate by 10%, it is **15.4580, 0.3252, 0.3184**.

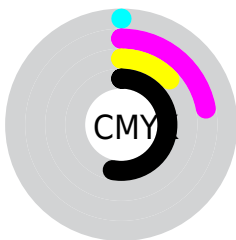
Distribution



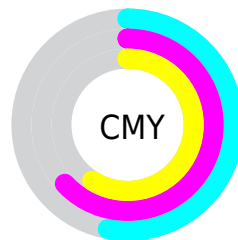
- Red (47%)
- Green (37%)
- Blue (41%)



- Red (47%)
- Yellow (37%)
- Blue (41%)



- Cyan (0%)
- Magenta (22%)
- Yellow (13%)
- Black (53%)





- Cyan (53%)
- Magenta (63%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9980, 0.3384, 0.3087 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 12.9980, 0.3384, 0.3087 by changing the saturation by 10% instead.


 12.9980, 0.3384,
0.3087


 12.9980, 0.3384,
0.3087

210.9049, 0.3229,
0.3209


 7.4272, 0.3436,
0.3047


 31.3002, 0.3319,
0.3138


 3.7307, 0.3514,
0.2986

 44.8003, 0.3298,
0.3155

 1.5241, 0.3646,
0.2886

 61.7124, 0.3281,
0.3168

 0.3056, 0.4396,
0.2271

 82.4207, 0.3267,
0.3179

 0.0000, 0.0000,
0.0000

107.3097, 0.3255,
0.3188

136.7638, 0.3245,

0.3196

171.1674, 0.3237,
0.3203

■ 12.9980, 0.3384,
0.3087

■ 12.9980, 0.3384,
0.3087

■ 10.8842, 0.3542,
0.2988

■ 15.4580, 0.3252,
0.3184

■ 9.0992, 0.3731,
0.2889

■ 18.2769, 0.3143,
0.3275

■ 7.6268, 0.3953,
0.2797

■ 21.4693, 0.3053,
0.3361

■ 6.4485, 0.4207,
0.2719

■ 25.0482, 0.2979,
0.3440

■ 5.5441, 0.4491,
0.2667

■ 29.0259, 0.2917,
0.3513

■ 4.8908, 0.4792,
0.2651

■ 33.4143, 0.2866,
0.3580

■ 4.4618, 0.5094,
0.2679

■ 38.2248, 0.2823,
0.3641

■ 4.1927, 0.5346,
0.2719

■ 43.4682, 0.2788,
0.3697

■ 49.1552, 0.2758,
0.3748

Harmonies

Analogous

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



12.9980, 0.3118, 0.2925



12.9980, 0.3384, 0.3087



12.9980, 0.3585, 0.3301

Triad

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



12.9980, 0.3384, 0.3087



12.9980, 0.3381, 0.3764



12.9980, 0.2624, 0.3025

Complementary

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



12.9980, 0.3384, 0.3087



16.9399, 0.2925, 0.3503

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.



12.9980, 0.2688, 0.3252



12.9980, 0.3384, 0.3087



12.9980, 0.3119, 0.3696

Square

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



12.9980, 0.3384, 0.3087



12.9980, 0.3581, 0.3694



12.9980, 0.2867, 0.3503



12.9980, 0.2687, 0.2883

Rectangle

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



12.9980, 0.3384, 0.3087



12.9980, 0.3650, 0.3450



12.9980, 0.2867, 0.3503



12.9980, 0.2631, 0.3093

Sweetspot

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



12.9986, 0.3384, 0.3087



29.3359, 0.3201, 0.3226



12.6510, 0.3000, 0.2755



6.9038, 0.3205, 0.3222



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.9986, 0.3384, 0.3087



20.9392, 0.3459, 0.3038



13.2773, 0.3528, 0.3345



4.0382, 0.3222, 0.3208



4.5707, 0.5357, 0.2724



21.6472, 0.5486, 0.2796

Inverse Universe

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



12.9986, 0.3384, 0.3087



20.9392, 0.3459, 0.3038



16.5534, 0.2817, 0.3235



4.0382, 0.3222, 0.3208



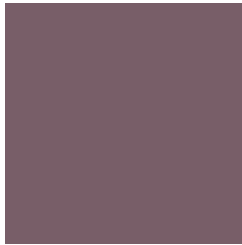
4.5707, 0.5357, 0.2724



21.6472, 0.5486, 0.2796

Previews

White Background



This preview shows how the Yxy color 12.9980, 0.3384, 0.3087 looks on a white 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

Black Background



This preview shows how the Yxy color 12.9980, 0.3384, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

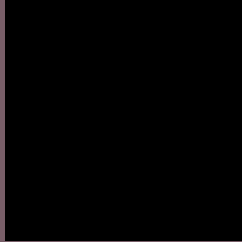
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9980, 0.3384, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 12.9980, 0.3384, 0.3087.



This preview shows how white text looks on a background with the Yxy color 12.9980, 0.3384, 0.3087.

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

12.9980, 0.3384, 0.3087

Protanopia

13.1568, 0.3035, 0.3137

Deuteranopia

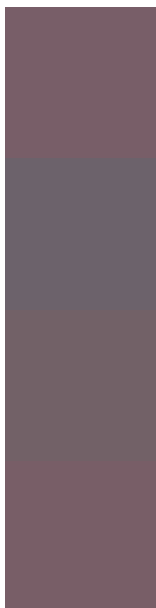
13.0296, 0.3237, 0.3184



Tritanopia

12.9578, 0.3415, 0.3128

Trichromacy



Original Color

12.9980, 0.3384, 0.3087

Protanomaly

12.9850, 0.3151, 0.3098

Deuteranomaly

13.1061, 0.3299, 0.3165

Tritanomaly

12.9777, 0.3399, 0.3107

Monochromacy



Original Color

12.9980, 0.3384, 0.3087

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.3448, 0.3218, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9980, 0.3384, 0.3087 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(120, 94, 104)` looks like.

```
.text, #text, p{  
    color:rgb(120, 94, 104)  
}
```

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(120, 94, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 94, 104) }
```

Border

The CSS property to change the border of an element to Yxy 12.9980, 0.3384, 0.3087 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(120, 94, 104) }
```

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

```
.border{ border-color:rgb(120, 94, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 94, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 94, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 94, 104);  
box-shadow:4px 4px 4px 4px rgb(120, 94,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9980, 0.3384, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 94, 104) }
```

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

```
.background{ background-color: rgb(120, 94,  
104) }
```

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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