

Converting Colors

$Y_{xy}(12.1813, 0.3396, 0.3249)$

Have a look what the booklet for
Yxy(12.1813, 0.3396, 0.3249)
contains.

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Color

Yxy(12.0997, 0.3399, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	705D5F
RGB	112, 93, 95
RGB Percent	44%, 36%, 37%
CMY	0.5608, 0.6353, 0.6275
CMYK	0.00, 0.17, 0.15, 0.56
HSL	354°, 9%, 40%
HSV	354°, 17%, 44%
XYZ	12.6622, 12.0997, 12.4909
YIQ	98.9090, 10.6820, 4.6500

Conversions

Conversions Part 2

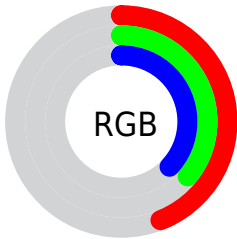
Format	Color
R_{YB}	112, 93, 95
Decimal	7363935
CIE Lab	41.37, 8.06, 1.74
CIE LCh	41, 8.248, 12.190
Yxy	12.0997, 0.3399, 0.3248
Android (android.graphics.Color)	4285554015 (0xFF705D5F)
YUV	98.9090, -1.9271, 11.4808
Hunter-Lab	34.7846, 4.1041, 3.0587

Details

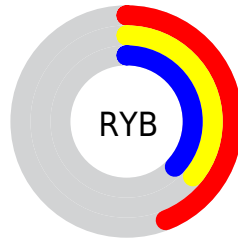
The Yxy color **12.0997, 0.3399, 0.3248** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0438, 0.2908, 0.3333**, and the grayscale version is **12.4565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5818, 0.3333, 0.3260**, and **3.3448, 0.3548, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **10.1050, 0.3610, 0.3222**, and if you desaturate by 10%, it is **14.4070, 0.3227, 0.3273**.

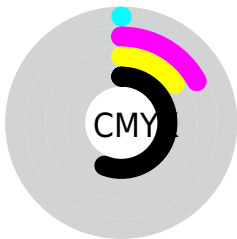
Distribution



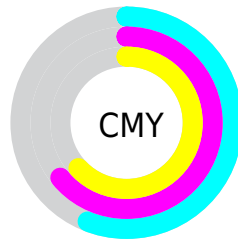
- Red (44%)
- Green (36%)
- Blue (37%)



- Red (44%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (17%)
- Yellow (15%)
- Black (56%)




- Cyan (56%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0997, 0.3399, 0.3248 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 12.0997, 0.3399, 0.3248 by changing the saturation by 10% instead.


 12.0997, 0.3399,
0.3248


 12.0997, 0.3399,
0.3248

205.0642, 0.3233,
0.3275


 6.8116, 0.3457,
0.3238


 29.6766, 0.3328,
0.3260


 3.3446, 0.3546,
0.3222

 42.7341, 0.3305,
0.3263

 1.3142, 0.3701,
0.3193

 59.1503, 0.3287,
0.3266

 0.1521, 0.6353,
0.2831

 79.3095, 0.3272,
0.3269

 0.0000, 0.0000,
0.0000

103.5961, 0.3260,
0.3271

132.3945, 0.3249,

0.3272

166.0890, 0.3240,
0.3274

■ 12.0997, 0.3399,
0.3248

■ 12.0997, 0.3399,
0.3248

■ 10.1050, 0.3610,
0.3222

■ 14.4070, 0.3227,
0.3273

■ 8.4080, 0.3868,
0.3195

■ 17.0379, 0.3088,
0.3297

■ 6.9948, 0.4179,
0.3171

■ 20.0047, 0.2974,
0.3319

■ 5.8499, 0.4543,
0.3151

■ 23.3188, 0.2881,
0.3339

■ 4.9564, 0.4952,
0.3141

■ 26.9909, 0.2805,
0.3357

■ 4.2952, 0.5380,
0.3145

■ 31.0312, 0.2741,
0.3373

■ 3.8448, 0.5781,
0.3166

■ 35.4496, 0.2689,
0.3388

■ 3.5527, 0.6116,
0.3193

■ 40.2556, 0.2644,
0.3401

■ 3.4711, 0.6207,
0.3193

■ 45.4584, 0.2607,
0.3414

Harmonies

Analogous

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



12.0997, 0.3244, 0.3107



12.0997, 0.3399, 0.3248



12.0997, 0.3480, 0.3403

Triad

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



12.0997, 0.3399, 0.3248



12.0997, 0.3186, 0.3588



12.0997, 0.2801, 0.3039

Complementary

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



12.0997, 0.3399, 0.3248



15.0438, 0.2908, 0.3333

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.



12.0997, 0.2787, 0.3161



12.0997, 0.3399, 0.3248



12.0997, 0.3006, 0.3484

Square

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



12.0997, 0.3399, 0.3248



12.0997, 0.3354, 0.3605



12.0997, 0.2861, 0.3325



12.0997, 0.2899, 0.2987

Rectangle

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



12.0997, 0.3399, 0.3248



12.0997, 0.3480, 0.3496



12.0997, 0.2861, 0.3325



12.0997, 0.2786, 0.3072

Sweetspot

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



12.1002, 0.3399, 0.3248



26.1117, 0.3200, 0.3278



12.3006, 0.3112, 0.2891



6.2154, 0.3208, 0.3277



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.1002, 0.3399, 0.3248



19.9465, 0.3469, 0.3239



13.4053, 0.3405, 0.3447



3.4066, 0.3259, 0.3268



4.0102, 0.6220, 0.3200



19.9116, 0.6303, 0.3246

Inverse Universe

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



12.1002, 0.3399, 0.3248



19.9465, 0.3469, 0.3239



13.5440, 0.2879, 0.3128



3.4066, 0.3259, 0.3268



4.0102, 0.6220, 0.3200



19.9116, 0.6303, 0.3246

Previews

White Background



This preview shows how the Yxy color 12.0997, 0.3399, 0.3248 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 12.0997, 0.3399, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

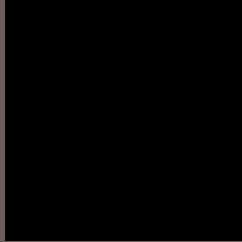
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0997, 0.3399, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 12.0997, 0.3399, 0.3248.

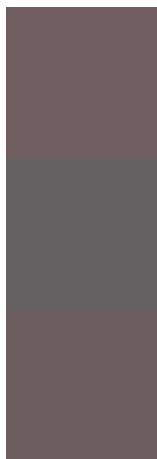


This preview shows how white text looks on a background with the Yxy color 12.0997, 0.3399, 0.3248.

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

12.0997, 0.3399, 0.3248

Protanopia

12.0651, 0.3157, 0.3290

Deuteranopia

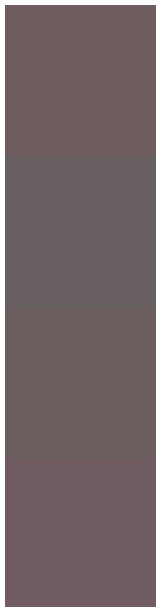
12.0198, 0.3332, 0.3269



Tritanopia

12.0659, 0.3356, 0.3141

Trichromacy



Original Color

12.0997, 0.3399, 0.3248

Protanomaly

12.1533, 0.3250, 0.3290

Deuteranomaly

12.0828, 0.3348, 0.3269

Tritanomaly

12.0468, 0.3371, 0.3163

Monochromacy



Original Color

12.0997, 0.3399, 0.3248

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.3743, 0.3219, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0997, 0.3399, 0.3248 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(112, 93, 95)` looks like.

```
.text, #text, p{  
    color:rgb(112, 93, 95)  
}
```

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(112, 93, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 93, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.0997, 0.3399, 0.3248 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(112, 93, 95) }
```

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

```
.border{ border-color:rgb(112, 93, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 93, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 93, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 93, 95);  
box-shadow:4px 4px 4px 4px rgb(112, 93,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0997, 0.3399, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 93, 95) }
```

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

```
.background{ background-color: rgb(112, 93,  
95) }
```

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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