

Converting Colors

$Y_{xy}(10.1312, 0.3086, 0.2472)$

Have a look what the booklet for
Yxy(10.1312, 0.3086, 0.2472)
contains.

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Color

Yxy(10.0369, 0.3084, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	704D75
RGB	112, 77, 117
RGB Percent	44%, 30%, 46%
CMY	0.5607, 0.6980, 0.5412
CMYK	0.04, 0.34, 0.00, 0.54
HSL	293°, 21%, 38%
HSV	293°, 34%, 46%
XYZ	12.5471, 10.0369, 18.1006
YIQ	92.0250, 8.0200, 19.8600

Conversions

Conversions Part 2

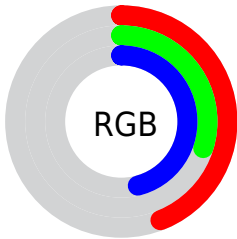
Format	Color
R_{YB}	112, 77, 117
Decimal	7359861
CIE Lab	37.91, 22.22, -17.02
CIE LCh	38, 27.995, 322.547
Yxy	10.0369, 0.3084, 0.2467
Android (android.graphics.Color)	4285549941 (0xFF704D75)
YUV	92.0250, 12.3127, 17.5181
Hunter-Lab	31.6811, 15.2522, -11.6979

Details

The Yxy color **10.0369, 0.3084, 0.2467** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **15.0473, 0.3143, 0.4231**, and the grayscale version is **10.6786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9358, 0.3100, 0.2675**, and **2.5195, 0.3013, 0.2085** is the 20% darker color. If you saturate the color by 10%, you get **8.4502, 0.3064, 0.2229**, and if you desaturate by 10%, it is **11.9205, 0.3100, 0.2712**.

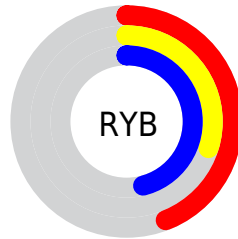
Distribution



Red (44%)

Green (30%)

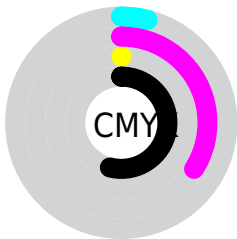
Blue (46%)



Red (44%)

Yellow (30%)

Blue (46%)

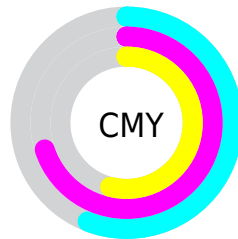


Cyan (4%)

Magenta (34%)

Yellow (0%)

Black (54%)



Cyan (56%)


Magenta (70%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0369, 0.3084, 0.2467 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 10.0369, 0.3084, 0.2467 by changing the saturation by 10% instead.


 10.0369, 0.3084,
0.2467


 10.0369, 0.3084,
0.2467


190.9352, 0.3121,
0.2954


 5.4234, 0.3065,
0.2311


 25.8649, 0.3103,
0.2667


 2.4978, 0.3029,
0.2085

 37.8482, 0.3108,
0.2735


 0.8755, 0.2955,
0.1730

 53.0569, 0.3112,
0.2789

 0.0000, 0.2558,
0.0000

 71.8754, 0.3115,
0.2834

 0.0000, 0.0000,
0.0000

 94.6881, 0.3117,
0.2871

121.8793, 0.3118,

0.2903

153.8336, 0.3120,
0.2930

■ 10.0369, 0.3084,
0.2467

■ 10.0369, 0.3084,
0.2467

■ 8.4502, 0.3064,
0.2229

■ 11.9205, 0.3100,
0.2712

■ 7.1433, 0.3042,
0.2006

■ 14.1143, 0.3113,
0.2956

■ 6.0993, 0.3016,
0.1808

■ 16.6323, 0.3124,
0.3194

■ 5.2990, 0.2988,
0.1641

■ 19.4875, 0.3131,
0.3420

■ 4.7207, 0.2958,
0.1513

■ 22.6919, 0.3137,
0.3633

■ 4.3321, 0.2928,
0.1423

■ 26.2571, 0.3140,
0.3831

■ 4.1343, 0.2910,
0.1376

■ 30.1941, 0.3142,
0.4013

■ 34.5134, 0.3143,
0.4179

■ 39.2252, 0.3143,
0.4330

Harmonies

Analogous

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



10.0369, 0.2495, 0.2292



10.0369, 0.3084, 0.2467



10.0369, 0.3751, 0.2813

Triad

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



10.0369, 0.3084, 0.2467



10.0369, 0.4199, 0.4217



10.0369, 0.2099, 0.3146

Complementary

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



10.0369, 0.3084, 0.2467



15.0473, 0.3143, 0.4231

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.



10.0369, 0.2481, 0.3824



10.0369, 0.3084, 0.2467



10.0369, 0.3691, 0.4476

Square

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



10.0369, 0.3084, 0.2467



10.0369, 0.4426, 0.3767



10.0369, 0.3061, 0.4355



10.0369, 0.1976, 0.2612

Rectangle

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



10.0369, 0.3084, 0.2467



10.0369, 0.4126, 0.3110



10.0369, 0.3061, 0.4355



10.0369, 0.2199, 0.3367

Sweetspot

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



10.0373, 0.3084, 0.2467



26.9795, 0.3118, 0.3050



8.9465, 0.2564, 0.2463



6.0916, 0.3117, 0.3024



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.0373, 0.3084, 0.2467



15.6957, 0.3069, 0.2278



10.0544, 0.3407, 0.2762



3.7360, 0.3119, 0.3079



4.5520, 0.2908, 0.1376



21.9284, 0.2891, 0.1366

Inverse Universe

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



9.6974, 0.3780, 0.3185



15.0135, 0.4005, 0.3160



15.0635, 0.2925, 0.3887



3.7076, 0.3258, 0.3264



4.2020, 0.6184, 0.3180



20.4049, 0.6272, 0.3229

Previews

White Background



This preview shows how the Yxy color 10.0369, 0.3084, 0.2467 looks on a white background.

Color Contrast Check

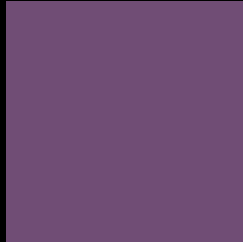
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0369, 0.3084, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

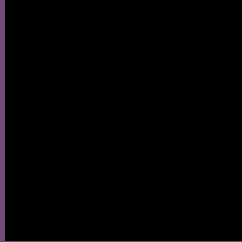
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0369, 0.3084, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 10.0369, 0.3084, 0.2467.



This preview shows how white text looks on a background with the Yxy color 10.0369, 0.3084, 0.2467.

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

10.0369, 0.3084, 0.2467

Protanopia

10.1055, 0.2497, 0.2427

Deuteranopia

10.1485, 0.2710, 0.2663



Tritanopia

10.0959, 0.3464, 0.3156

Trichromacy



Original Color

10.0369, 0.3084, 0.2467

Protanomaly

9.9444, 0.2674, 0.2426

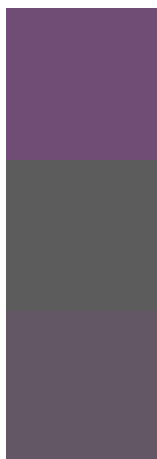
Deuteranomaly

10.0345, 0.2835, 0.2576

Tritanomaly

10.0369, 0.3317, 0.2895

Monochromacy



Original Color

10.0369, 0.3084, 0.2467

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.4086, 0.3110, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0369, 0.3084, 0.2467 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, 77, 117)` looks like.

```
.text, #text, p{  
    color:rgb(112, 77, 117)  
}
```

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, 77, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 77, 117) }
```

Border

The CSS property to change the border of an element to Yxy 10.0369, 0.3084, 0.2467 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, 77, 117) }
```

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

```
.border{ border-color:rgb(112, 77, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 77, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 77, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 77, 117);  
box-shadow:4px 4px 4px 4px rgb(112, 77,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0369, 0.3084, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 77, 117) }
```

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

```
.background{ background-color: rgb(112, 77,  
117) }
```

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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