

Converting Colors

$Y_{xy}(10.0575, 0.3160, 0.2435)$

Have a look what the booklet for
Yxy(10.0575, 0.3160, 0.2435)
contains.

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Color

Yxy(10.0984, 0.3167, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	754B75
RGB	117, 75, 117
RGB Percent	46%, 29%, 46%
CMY	0.5411, 0.7059, 0.5412
CMYK	0.00, 0.36, 0.00, 0.54
HSL	300°, 22%, 38%
HSV	300°, 36%, 46%
XYZ	13.0644, 10.0984, 18.0888
YIQ	92.3460, 11.5500, 21.9660

Conversions

Conversions Part 2

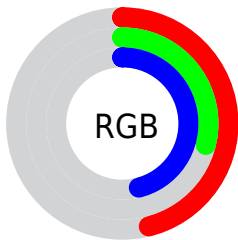
Format	Color
R_{YB}	117, 75, 117
Decimal	7687029
CIE _{Lab}	38.02, 25.20, -16.81
CIE _{LCh}	38, 30.294, 326.295
Yxy	10.0984, 0.3167, 0.2448
Android (android.graphics.Color)	4285877109 (0xFF754B75)
YUV	92.3460, 12.1544, 21.6216
Hunter-Lab	31.7780, 17.7725, -11.5048

Details

The Yxy color **10.0984, 0.3167, 0.2448** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **14.7302, 0.3079, 0.4305**, and the grayscale version is **10.7561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0779, 0.3168, 0.2659**, and **2.5373, 0.3156, 0.2055** is the 20% darker color. If you saturate the color by 10%, you get **8.6548, 0.3177, 0.2228**, and if you desaturate by 10%, it is **11.8349, 0.3156, 0.2681**.

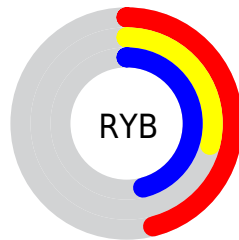
Distribution



Red (46%)

Green (29%)

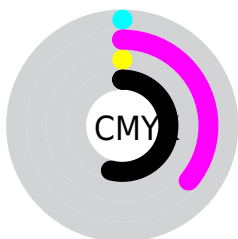
Blue (46%)



Red (46%)

Yellow (29%)

Blue (46%)

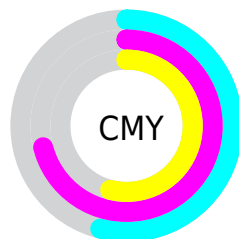


Cyan (0%)

Magenta (36%)

Yellow (0%)

Black (54%)



Cyan (54%)


Magenta (71%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0984, 0.3167, 0.2448 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 10.0984, 0.3167, 0.2448 by changing the saturation by 10% instead.


 10.0984, 0.3167,
0.2448


 10.0984, 0.3167,
0.2448


191.3729, 0.3153,
0.2944


 5.4642, 0.3165,
0.2290


 25.9804, 0.3165,
0.2651


 2.5221, 0.3155,
0.2062

 37.9971, 0.3163,
0.2720

 0.8877, 0.3122,
0.1708

 53.2434, 0.3161,
0.2775

 0.0000, 0.3028,
0.0000

 72.1037, 0.3160,
0.2821

 0.0000, 0.0000,
0.0000

 94.9624, 0.3158,
0.2860

122.2039, 0.3156,

0.2892

154.2126, 0.3155,
0.2920

■ 10.0984, 0.3167,
0.2448

■ 10.0984, 0.3167,
0.2448

■ 8.6548, 0.3177,
0.2228

■ 11.8349, 0.3156,
0.2681

■ 7.4868, 0.3187,
0.2029

■ 13.8777, 0.3145,
0.2918

■ 6.5771, 0.3195,
0.1859

■ 16.2412, 0.3134,
0.3154

■ 5.9063, 0.3201,
0.1724

■ 18.9383, 0.3123,
0.3382

■ 5.4518, 0.3206,
0.1628

■ 21.9813, 0.3113,
0.3600

■ 5.1704, 0.3209,
0.1566

■ 25.3817, 0.3103,
0.3803

■ 5.0664, 0.3210,
0.1542

■ 29.1507, 0.3094,
0.3992

■ 33.2988, 0.3086,
0.4166

■ 37.8364, 0.3078,
0.4324

Harmonies

Analogous

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



10.0984, 0.2515, 0.2237



10.0984, 0.3167, 0.2448



10.0984, 0.3884, 0.2833

Triad

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



10.0984, 0.3167, 0.2448



10.0984, 0.4219, 0.4329



10.0984, 0.1994, 0.3043

Complementary

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



10.0984, 0.3167, 0.2448



14.7302, 0.3079, 0.4305

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.



10.0984, 0.2365, 0.3777



10.0984, 0.3167, 0.2448



10.0984, 0.3645, 0.4582

Square

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



10.0984, 0.3167, 0.2448



10.0984, 0.4516, 0.3855



10.0984, 0.2965, 0.4399



10.0984, 0.1901, 0.2505

Rectangle

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



10.0984, 0.3167, 0.2448



10.0984, 0.4268, 0.3155



10.0984, 0.2965, 0.4399



10.0984, 0.2087, 0.3277

Sweetspot

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



10.0988, 0.3167, 0.2448



26.7282, 0.3140, 0.3028



7.8120, 0.2514, 0.2276



6.0474, 0.3141, 0.3004



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.



10.0988, 0.3167, 0.2448



15.9216, 0.3176, 0.2266



9.6592, 0.3527, 0.2847



3.7579, 0.3137, 0.3081



5.5804, 0.3210, 0.1542



27.1938, 0.3210, 0.1542

Inverse Universe

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



10.0988, 0.3167, 0.2448



15.9216, 0.3176, 0.2266



15.0667, 0.2857, 0.3784



3.7579, 0.3137, 0.3081



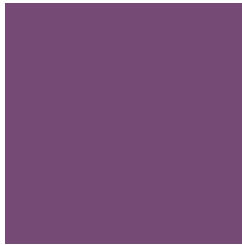
5.5804, 0.3210, 0.1542



27.1938, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 10.0984, 0.3167, 0.2448 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 10.0984, 0.3167, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

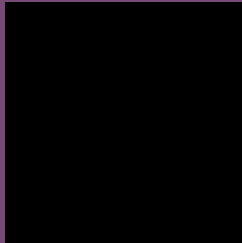
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0984, 0.3167, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 10.0984, 0.3167, 0.2448.



This preview shows how white text looks on a background with the Yxy color 10.0984, 0.3167, 0.2448.

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

10.0984, 0.3167, 0.2448

Protanopia

10.2968, 0.2490, 0.2431

Deuteranopia

10.1957, 0.2724, 0.2665



Tritanopia

10.0837, 0.3595, 0.3160

Trichromacy



Original Color

10.0984, 0.3167, 0.2448

Protanomaly

10.0460, 0.2702, 0.2433

Deuteranomaly

9.9889, 0.2864, 0.2560

Tritanomaly

10.0512, 0.3425, 0.2884

Monochromacy



Original Color

10.0984, 0.3167, 0.2448

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.3619, 0.3143, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0984, 0.3167, 0.2448 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(117, 75, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 75, 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(117, 75, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 75, 117) }
```

Border

The CSS property to change the border of an element to Yxy 10.0984, 0.3167, 0.2448 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(117, 75, 117) }
```

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

```
.border{ border-color:rgb(117, 75, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 75, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 75, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 75, 117); box-shadow:4px 4px 4px 4px rgb(117, 75, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0984, 0.3167, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 75, 117) }
```

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

```
.background{ background-color: rgb(117, 75,  
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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