

Converting Colors

$Y_{xy}(10.0063, 0.3231, 0.2519)$

Have a look what the booklet for
Yxy(10.0063, 0.3231, 0.2519)
contains.

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Color

Yxy(10.0063, 0.3231, 0.2519)

Conversions

Conversions Part 1

Format	Color
Hex	754B71
RGB	117, 75, 113
RGB Percent	46%, 29%, 44%
CMY	0.5411, 0.7059, 0.5568
CMYK	0.00, 0.36, 0.03, 0.54
HSL	306°, 22%, 38%
HSV	306°, 36%, 46%
XYZ	12.8346, 10.0063, 16.8824
YIQ	91.8900, 12.8340, 20.7220

Conversions

Conversions Part 2

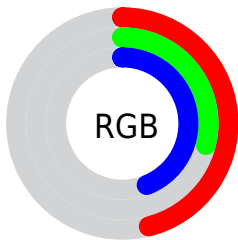
Format	Color
R_{YB}	117, 75, 113
Decimal	7687025
CIE _{Lab}	37.85, 24.39, -14.59
CIE _{LCh}	38, 28.423, 329.105
Yxy	10.0063, 0.3231, 0.2519
Android (android.graphics.Color)	4285877105 (0xFF754B71)
YUV	91.8900, 10.4072, 22.0215
Hunter-Lab	31.6327, 17.0669, -9.5002

Details

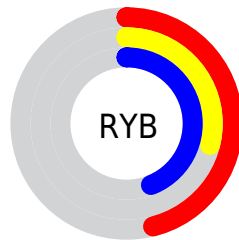
The Yxy color **10.0063, 0.3231, 0.2519** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **14.7852, 0.3037, 0.4207**, and the grayscale version is **10.6496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9299, 0.3211, 0.2712**, and **2.4893, 0.3271, 0.2155** is the 20% darker color. If you saturate the color by 10%, you get **8.5380, 0.3266, 0.2314**, and if you desaturate by 10%, it is **11.7678, 0.3199, 0.2734**.

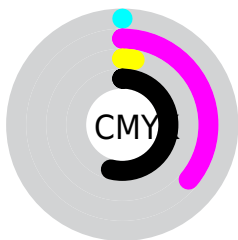
Distribution



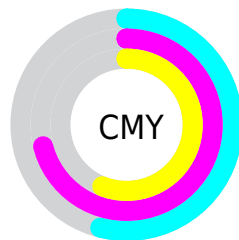
- Red (46%)
- Green (29%)
- Blue (44%)



- Red (46%)
- Yellow (29%)
- Blue (44%)



- Cyan (0%)
- Magenta (36%)
- Yellow (3%)
- Black (54%)




- Cyan (54%)
- Magenta (71%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0063, 0.3231, 0.2519 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 10.0063, 0.3231, 0.2519 by changing the saturation by 10% instead.


 10.0063, 0.3231,
0.2519


 10.0063, 0.3231,
0.2519


190.7170, 0.3176,
0.2976


 5.4031, 0.3244,
0.2371


 25.8074, 0.3211,
0.2707


 2.4857, 0.3258,
0.2156

 37.7740, 0.3203,
0.2771


 0.8695, 0.3268,
0.1815

 52.9640, 0.3197,
0.2822

 0.0000, 0.3267,
0.0000

 71.7616, 0.3192,
0.2864

 0.0000, 0.0000,
0.0000

 94.5514, 0.3187,
0.2899

121.7176, 0.3183,

0.2929

153.6447, 0.3179,
0.2954

■ 10.0063, 0.3231,
0.2519

■ 10.0063, 0.3231,
0.2519

■ 8.5380, 0.3266,
0.2314

■ 11.7678, 0.3199,
0.2734

■ 7.3455, 0.3301,
0.2126

■ 13.8359, 0.3169,
0.2952

■ 6.4118, 0.3338,
0.1965


■ 16.2249, 0.3142,
0.3167

■ 5.7170, 0.3374,
0.1838


■ 18.9479, 0.3118,
0.3373

■ 5.2390, 0.3408,
0.1749


■ 22.0169, 0.3096,
0.3570


 4.9343, 0.3440,
0.1696

 25.4437, 0.3078,
0.3753

 4.8209, 0.3453,
0.1676

 29.2394, 0.3062,
0.3923

 33.4145, 0.3048,
0.4080

 37.9793, 0.3036,
0.4224

Harmonies

Analogous

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



10.0063, 0.2601, 0.2300



10.0063, 0.3231, 0.2519



10.0063, 0.3897, 0.2900

Triad

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



10.0063, 0.3231, 0.2519



10.0063, 0.4121, 0.4311



10.0063, 0.2034, 0.3005

Complementary

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



10.0063, 0.3231, 0.2519



14.7852, 0.3037, 0.4207

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.



10.0063, 0.2365, 0.3682



10.0063, 0.3231, 0.2519



10.0063, 0.3563, 0.4507

Square

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



10.0063, 0.3231, 0.2519



10.0063, 0.4427, 0.3879



10.0063, 0.2920, 0.4286



10.0063, 0.1968, 0.2516

Rectangle

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



10.0063, 0.3231, 0.2519



10.0063, 0.4240, 0.3212



10.0063, 0.2920, 0.4286



10.0063, 0.2115, 0.3218

Sweetspot

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



10.0067, 0.3231, 0.2519



26.6759, 0.3156, 0.3052



7.9568, 0.2563, 0.2289



6.0343, 0.3159, 0.3030



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.



10.0067, 0.3231, 0.2519



15.7213, 0.3259, 0.2349



9.5956, 0.3592, 0.2919



3.7522, 0.3150, 0.3100



5.3093, 0.3454, 0.1677



25.8041, 0.3469, 0.1685

Inverse Universe

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



10.0067, 0.3231, 0.2519



15.7213, 0.3259, 0.2349



15.1314, 0.2821, 0.3698



3.7522, 0.3150, 0.3100



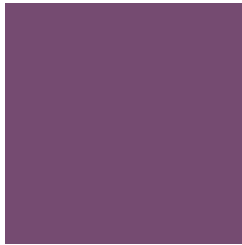
5.3093, 0.3454, 0.1677



25.8041, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 10.0063, 0.3231, 0.2519 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 ✓ Pass

Black Background



This preview shows how the Yxy color 10.0063, 0.3231, 0.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

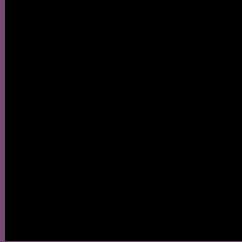
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0063, 0.3231, 0.2519

Background



This preview shows how black text looks on a background with the Yxy color 10.0063, 0.3231, 0.2519.

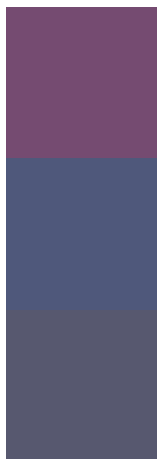


This preview shows how white text looks on a background with the Yxy color 10.0063, 0.3231, 0.2519.

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

10.0063, 0.3231, 0.2519

Protanopia

10.0718, 0.2540, 0.2487

Deuteranopia

10.1534, 0.2789, 0.2752



Tritanopia

9.9866, 0.3635, 0.3160

Trichromacy



Original Color

10.0063, 0.3231, 0.2519

Protanomaly

9.8456, 0.2765, 0.2489

Deuteranomaly

9.9530, 0.2934, 0.2642

Tritanomaly

9.9381, 0.3481, 0.2906

Monochromacy



Original Color

10.0063, 0.3231, 0.2519

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.3424, 0.3158, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0063, 0.3231, 0.2519 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(117, 75, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 75, 113) }
```

Border

The CSS property to change the border of an element to Yxy 10.0063, 0.3231, 0.2519 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, 113) }
```

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

```
.border{ border-color:rgb(117, 75, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 75, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 75, 113);  
box-shadow:4px 4px 4px 4px rgb(117, 75,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0063, 0.3231, 0.2519 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, 113) }
```

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

```
.background{ background-color: rgb(117, 75,  
113) }
```

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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