

Converting Colors

XYZ(19.3760, 16.3656, 38.7341)

Have a look what the booklet for
XYZ(19.3760, 16.3656, 38.7341)
contains.

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Color

**XYZ(19.4330, 16.4125,
38.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	7767A7
RGB	119, 103, 167
RGB Percent	47%, 40%, 65%
CMY	0.5333, 0.5961, 0.3451
CMYK	0.29, 0.38, 0.00, 0.35
HSL	255°, 27%, 53%
HSV	255°, 38%, 65%
XYZ	19.4330, 16.4125, 38.7029
YIQ	115.0800, -11.0080, 23.2960

Conversions

Conversions Part 2

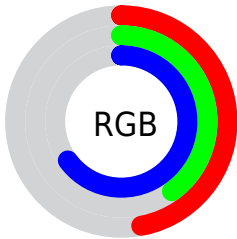
Format	Color
R_{YB}	119, 103, 167
Decimal	7825319
CIE _{Lab}	47.51, 20.80, -32.17
CIE _{LCh}	48, 38.312, 302.887
Yxy	16.4125, 0.2607, 0.2202
Android (android.graphics.Color)	4286015399 (0xFF7767A7)
YUV	115.0800, 25.5966, 3.4378
Hunter-Lab	40.5123, 14.7264, -28.2832

Details

The XYZ color **19.4330, 16.4125, 38.7029** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.0300, 35.1964, 18.0962**, and the grayscale version is **16.2477, 17.0938, 18.6152**.

A 20% lighter version of the original color is **41.9740, 37.2694, 74.0887**, and **6.8926, 5.2951, 16.8784** is the 20% darker color. If you saturate the color by 10%, you get **16.3277, 12.5875, 38.1286**, and if you desaturate by 10%, it is **23.0978, 21.0191, 39.3992**.

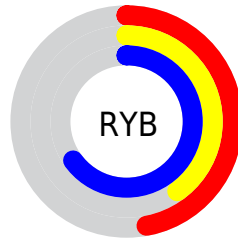
Distribution



Red (47%)

Green (40%)

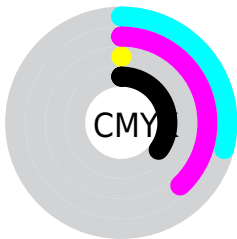
Blue (65%)



Red (47%)

Yellow (40%)

Blue (65%)

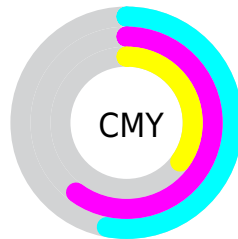


Cyan (29%)

Magenta (38%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (60%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4330, 16.4125, 38.7029 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 XYZ color 19.4330, 16.4125, 38.7029 by changing the saturation by 10% instead.

■ 19.4330, 16.4125,
38.7029

■ 19.4330, 16.4125,
38.7029

241.7213,
231.7636, 356.0139

■ 12.0894, 9.8165,
26.2226

■ 41.9757, 37.3129,
74.3996

■ 6.8772, 5.2775,
16.7630

■ 57.9056, 52.3860,
98.4530

■ 3.4311, 2.4110,
9.9055

■ 77.4283, 71.0537,
127.2013

■ 1.3856, 0.8315,
5.2316

■ 100.9091, 93.7003,
161.0630

■ 0.2459, 0.0000,
2.3227

128.7135,
120.7102, 200.4565

■ 0.0000, 0.0000,
0.7439

161.2068,

■ 0.0000, 0.0000,

152.4678, 245.8005

0.0000

198.7543,
189.3575, 297.5134

■ 19.4330, 16.4125,
38.7029

■ 19.4330, 16.4125,
38.7029

■ 16.3277, 12.5875,
38.1286

■ 23.0978, 21.0191,
39.3992

■ 13.7516, 9.4979,
37.6680

■ 27.3468, 26.4460,
40.2228

■ 11.6737, 7.0956,
37.3138

■ 32.2055, 32.7319,
41.1800

■ 10.0593, 5.3257,
37.0573

■ 37.6971, 39.9120,
42.2764

■ 8.8685, 4.1246,
36.8882

■ 43.8438, 48.0200,
43.5175

■ 8.0378, 3.3830,
36.7888

■ 50.6664, 57.0875,
44.9081

■ 7.9197, 3.2770,
36.7746

■ 58.1852, 67.1447,
46.4530

■ 66.4192, 78.2205,
48.1569

■ 75.3868, 90.3426,
50.0241

Harmonies

Analogous

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



15.9318, 16.4125, 43.9127



19.4330, 16.4125, 38.7029



22.1858, 16.4125, 27.8546

Triad

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



19.4330, 16.4125, 38.7029



18.7789, 16.4125, 5.8342



9.9300, 16.4125, 18.8320

Complementary

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



19.4330, 16.4125, 38.7029



29.0300, 35.1964, 18.0962

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.



10.4658, 16.4125, 10.6125



19.4330, 16.4125, 38.7029



15.2720, 16.4125, 4.9205

Square

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



19.4330, 16.4125, 38.7029



21.7712, 16.4125, 9.4978



12.3067, 16.4125, 6.2937



10.7207, 16.4125, 30.1129

Rectangle

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



19.4330, 16.4125, 38.7029



23.0431, 16.4125, 20.2951



12.3067, 16.4125, 6.2937



9.9612, 16.4125, 15.6470

Sweetspot

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



19.4336, 16.4131, 38.7033



55.0595, 55.2198, 73.2318



23.8082, 28.1522, 40.7386



12.0645, 12.0244, 16.3372



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.4336, 16.4131, 38.7033



30.0086, 23.4780, 68.4254



24.3913, 18.9689, 38.9353



7.3010, 7.3878, 9.4595



6.0994, 2.5278, 28.1419



0.1937, 0.0849, 0.6868

Inverse Universe

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



26.3731, 20.1510, 31.7784



44.4026, 31.2445, 53.4580



24.0224, 32.6150, 17.8619



7.7606, 7.6341, 9.0564



15.0599, 7.4327, 15.6586



0.3851, 0.1883, 0.4793

Previews

White Background



This preview shows how the XYZ color 19.4330, 16.4125, 38.7029 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 XYZ color 19.4330, 16.4125, 38.7029 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](#).

XYZ 19.4330, 16.4125, 38.7029

Background



This preview shows how black text looks on a background with the XYZ color 19.4330, 16.4125, 38.7029.



This preview shows how white text looks on a background with the XYZ color 19.4330, 16.4125,

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

19.4330, 16.4125, 38.7029

Protanopia

17.5409, 16.5985, 42.3237

Deuteranopia

16.9001, 16.5291, 37.8970



Tritanopia

15.7867, 16.5057, 20.4430

Trichromacy



Original Color

19.4330, 16.4125, 38.7029

Protanomaly

18.0801, 16.4321, 40.7469

Deuteranomaly

17.7184, 16.4572, 38.3191

Tritanomaly

16.8661, 16.2830, 26.2987

Monochromacy



Original Color

19.4330, 16.4125, 38.7029

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.1900, 16.8031, 24.8916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4330, 16.4125, 38.7029 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(119, 103, 167)` looks like.

```
.text, #text, p{  
    color:rgb(119, 103, 167)  
}
```

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(119, 103, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 103, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.4330, 16.4125, 38.7029 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(119, 103, 167) }
```


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

```
.border{ border-color:rgb(119, 103, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 103, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 103, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 103, 167);  
box-shadow:4px 4px 4px 4px rgb(119, 103,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4330, 16.4125, 38.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 103, 167) }
```

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

```
.background{ background-color: rgb(119,  
103, 167) }
```

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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