

Converting Colors

XYZ(7.8231, 9.3828, 16.4377)

Have a look what the booklet for
XYZ(7.8231, 9.3828, 16.4377)
contains.

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Color

**XYZ(7.8231, 9.3828,
16.4377)**

Conversions

Conversions Part 1

Format	Color
Hex	2E5C6F
RGB	46, 92, 111
RGB Percent	18%, 36%, 44%
CMY	0.8196, 0.6392, 0.5647
CMYK	0.59, 0.17, 0.00, 0.56
HSL	198°, 41%, 31%
HSV	198°, 59%, 44%
XYZ	7.8231, 9.3828, 16.4377
YIQ	80.4120, -33.5150, -3.8430

Conversions

Conversions Part 2

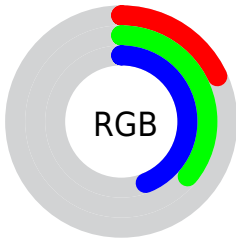
Format	Color
RYB	46, 73, 111
Decimal	3038319
CIELab	36.71, -9.71, -15.61
CIElCh	37, 18.384, 238.127
Yxy	9.3828, 0.2325, 0.2789
Android (android.graphics.Color)	4281228399 (0xFF2E5C6F)
YUV	80.4120, 15.0799, -30.1793
Hunter-Lab	30.6314, -8.0168, -10.3748




Details

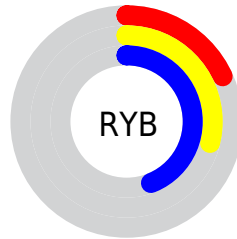
The XYZ color **7.8231, 9.3828, 16.4377** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9393, 7.3578, 3.5342**, and the grayscale version is **7.6818, 8.0819, 8.8012**.




A 20% lighter version of the original color is **21.3209, 24.5870, 38.2724**, and **1.8742, 2.3129, 5.0503** is the 20% darker color. If you saturate the color by 10%, you get **7.1113, 8.6077, 16.3258**, and if you desaturate by 10%, it is **8.6769, 10.2494, 16.5601**.

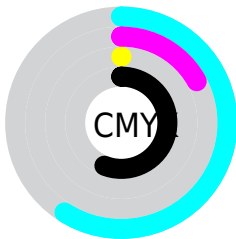
Distribution







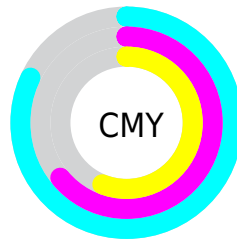
-  Red (18%)
-  Green (36%)
-  Blue (44%)






-  Red (18%)
-  Yellow (29%)
-  Blue (44%)



-  Cyan (59%)
-  Magenta (17%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (82%)
-  Magenta (64%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8231, 9.3828, 16.4377 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 7.8231, 9.3828, 16.4377 by changing the saturation by 10% instead.

7.8231, 9.3828,
16.4377

7.8231, 9.3828,
16.4377

168.7379,
186.2084, 243.8441

4.0328, 4.9917,
9.6767

21.2997, 24.6280,
38.1337

1.7207, 2.2424,
5.0823

31.7167, 36.2508,
53.9058

0.4692, 0.7430,
2.2361

45.0733, 51.0530,
73.5188

0.0000, 0.0000,
0.6951

61.7348, 69.4190,
97.3910

0.0000, 0.0000,
0.0000

82.0667, 91.7331,
125.9411

106.4343,

118.3798, 159.5876

135.2029,
149.7435, 198.7491

■ 7.8231, 9.3828,
16.4377

■ 7.8231, 9.3828,
16.4377

■ 7.1113, 8.6077,
16.3258

■ 8.6769, 10.2494,
16.5601

■ 6.5303, 7.9174,
16.2232

■ 9.6811, 11.2115,
16.6929

■ 6.0684, 7.3060,
16.1295

■ 10.8444, 12.2738,
16.8367

■ 5.6870, 6.7533,
16.0429

■ 12.1746, 13.4407,
16.9918

■ 5.6332, 6.6755,
16.0307

■ 13.6790, 14.7162,
17.1587

■ 15.3643, 16.1038,
17.3377

■ 17.2369, 17.6071,
17.5292

■ 19.3030, 19.2295,
17.7334

■ 21.5684, 20.9741,
17.9508

Harmonies

Analogous

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



7.1419, 9.3828, 13.4267



7.8231, 9.3828, 16.4377



8.8475, 9.3828, 17.7502

Triad

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



7.8231, 9.3828, 16.4377



11.2615, 9.3828, 10.4202



7.9359, 9.3828, 5.6660

Complementary

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



7.8231, 9.3828, 16.4377



8.9393, 7.3578, 3.5342

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.



8.9890, 9.3828, 5.1880



7.8231, 9.3828, 16.4377



10.9667, 9.3828, 7.5633

Square

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



7.8231, 9.3828, 16.4377



10.8857, 9.3828, 13.8522



10.1107, 9.3828, 5.8038



7.2031, 9.3828, 7.2797

Rectangle

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



7.8231, 9.3828, 16.4377



9.6087, 9.3828, 17.3139



10.1107, 9.3828, 5.8038



8.2613, 9.3828, 5.3842

Sweetspot

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



7.8234, 9.3831, 16.4379



21.8171, 24.0820, 30.4282



7.7488, 12.3249, 6.8838



5.1009, 5.6639, 7.2941



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



7.8234, 9.3831, 16.4379



12.3601, 14.9827, 29.1703



5.6165, 4.9694, 15.7023



3.3966, 3.6585, 4.2814



6.6151, 7.8206, 18.8825



32.1817, 37.4152, 93.8048

Inverse Universe

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



9.4646, 6.1065, 10.8053



15.7545, 9.0755, 17.3253



11.3160, 12.1111, 4.3264



3.4749, 3.4377, 4.0273



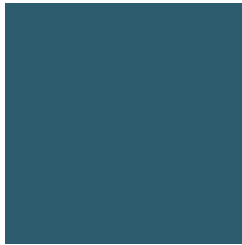
9.3573, 4.6353, 8.9577



46.2238, 22.9348, 42.5722

Previews

White Background



This preview shows how the XYZ color 7.8231, 9.3828, 16.4377 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 XYZ color 7.8231, 9.3828, 16.4377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 7.8231, 9.3828, 16.4377

Background



This preview shows how black text looks on a background with the XYZ color 7.8231, 9.3828, 16.4377.



This preview shows how white text looks on a background with the XYZ color 7.8231, 9.3828,

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

7.8231, 9.3828, 16.4377

Protanopia

9.2434, 9.2869, 14.9410

Deuteranopia

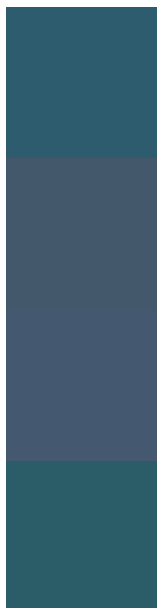
9.5374, 9.3947, 16.9335



Tritanopia

7.3065, 9.4372, 13.7484

Trichromacy



Original Color

7.8231, 9.3828, 16.4377

Protanomaly

8.5804, 9.2911, 15.5285

Deuteranomaly

8.7982, 9.3782, 16.6757

Tritanomaly

7.4604, 9.3622, 14.7785

Monochromacy



Original Color

7.8231, 9.3828, 16.4377

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.4425, 8.3249, 11.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8231, 9.3828, 16.4377 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(46, 92, 111)` looks like.

```
.text, #text, p{  
    color:rgb(46, 92, 111)  
}
```

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(46, 92, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 92, 111) }
```

Border

The CSS property to change the border of an element to XYZ 7.8231, 9.3828, 16.4377 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(46, 92, 111) }
```


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

```
.border{ border-color:rgb(46, 92, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 92, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 92, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 92, 111);  
box-shadow:4px 4px 4px 4px rgb(46, 92,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8231, 9.3828, 16.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 92, 111) }
```

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

```
.background{ background-color: rgb(46, 92,  
111) }
```

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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