

Converting Colors

XYZ(15.7796, 13.3770, 22.5200)

Have a look what the booklet for
XYZ(15.7796, 13.3770, 22.5200)
contains.

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Color

**XYZ(15.8156, 13.3768,
22.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5C81
RGB	122, 92, 129
RGB Percent	48%, 36%, 51%
CMY	0.5216, 0.6392, 0.4941
CMYK	0.05, 0.29, 0.00, 0.49
HSL	289°, 17%, 43%
HSV	289°, 29%, 51%
XYZ	15.8156, 13.3768, 22.5173
YIQ	105.1880, 6.0030, 17.8670

Conversions

Conversions Part 2

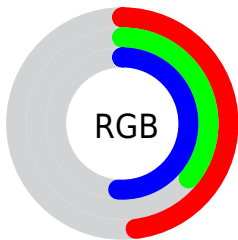
Format	Color
R_{YB}	122, 92, 129
Decimal	8019073
CIE _{Lab}	43.33, 19.30, -15.99
CIE _{LCh}	43, 25.060, 320.363
Yxy	13.3768, 0.3059, 0.2587
Android (android.graphics.Color)	4286209153 (0xFF7A5C81)
YUV	105.1880, 11.7393, 14.7441
Hunter-Lab	36.5743, 13.1826, -10.9004

Details

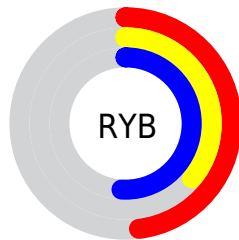
The XYZ color **15.8156, 13.3768, 22.5173** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.9281, 19.1262, 13.0307**, and the grayscale version is **13.4465, 14.1468, 15.4059**.

A 20% lighter version of the original color is **35.9452, 32.1363, 48.5644**, and **5.1726, 3.9496, 8.0791** is the 20% darker color. If you saturate the color by 10%, you get **14.4508, 11.1535, 22.1603**, and if you desaturate by 10%, it is **17.3803, 15.9864, 22.9387**.

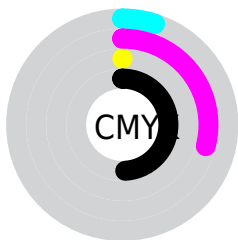
Distribution



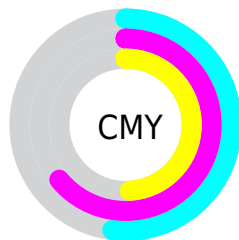
- Red (48%)
- Green (36%)
- Blue (51%)



- Red (48%)
- Yellow (36%)
- Blue (51%)



- Cyan (5%)
- Magenta (29%)
- Yellow (0%)
- Black (49%)



- Cyan (52%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8156, 13.3768, 22.5173 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 15.8156, 13.3768, 22.5173 by changing the saturation by 10% instead.

■ 15.8156, 13.3768,
22.5173

■ 15.8156, 13.3768,
22.5173

221.5430,
213.3186, 278.2771

■ 9.4838, 7.6885,
14.0356

■ 35.8378, 31.9791,
48.5126

■ 5.1177, 3.8963,
8.0064

■ 50.2589, 45.6619,
66.8633

■ 2.3519, 1.6157,
4.0112

■ 68.1072, 62.7783,
89.3406

■ 0.8210, 0.3682,
1.6315

■ 89.7479, 83.7127,
116.3632

■ 0.0000, 0.0000,
0.3131

115.5465,
108.8496, 148.3497

■ 0.0000, 0.0000,
0.0000

145.8683,

138.5733, 185.7184

181.0787,
173.2681, 228.8880

■ 15.8156, 13.3768,
22.5173

■ 15.8156, 13.3768,
22.5173

■ 14.4508, 11.1535,
22.1603

■ 17.3803, 15.9864,
22.9387

■ 13.2748, 9.2953,
21.8636

■ 19.1526, 18.9984,
23.4267

■ 12.2775, 7.7820,
21.6241

■ 21.1413, 22.4303,
23.9843

■ 11.4474, 6.5903,
21.4378

■ 23.3544, 26.2979,
24.6142

■ 10.7713, 5.6941,
21.3005

■ 25.7996, 30.6162,
25.3188

10.2342, 5.0635,
21.2070

28.4839, 35.3995,
26.1006

9.7969, 4.6202,
21.1445

31.4142, 40.6614,
26.9618

9.7407, 4.5638,
21.1366

34.5972, 46.4152,
27.9047

38.0392, 52.6733,
28.9312

Harmonies

Analogous

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



14.0598, 13.3768, 27.0833



15.8156, 13.3768, 22.5173



16.7670, 13.3768, 16.4318

Triad

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



15.8156, 13.3768, 22.5173



13.3504, 13.3768, 6.3548



9.5219, 13.3768, 18.6167

Complementary

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



15.8156, 13.3768, 22.5173



14.9281, 19.1262, 13.0307

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.



9.3736, 13.3768, 12.8454



15.8156, 13.3768, 22.5173



11.4574, 13.3768, 6.6574

Square

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



15.8156, 13.3768, 22.5173



15.2510, 13.3768, 7.7785



10.0474, 13.3768, 8.7476



10.4756, 13.3768, 24.4626

Rectangle

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



15.8156, 13.3768, 22.5173



16.7572, 13.3768, 12.7230



10.0474, 13.3768, 8.7476



9.3803, 13.3768, 16.5768

Sweetspot

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



15.8160, 13.3774, 22.5176



34.1197, 33.7169, 41.9022



12.8764, 12.8605, 22.5728



7.6294, 7.4719, 9.4585



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.8160, 13.3774, 22.5176



26.7861, 21.4401, 39.9191



16.1449, 13.6276, 18.8882



4.4209, 4.3726, 5.4243



9.5004, 4.4513, 20.6084



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.1330, 13.2228, 13.5596



25.4123, 21.1465, 21.1235



14.7175, 18.9574, 15.7423



4.3585, 4.3565, 4.6921



8.9932, 4.6170, 1.2880



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8156, 13.3768, 22.5173 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 15.8156, 13.3768, 22.5173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

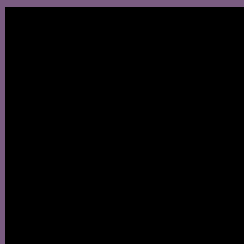
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8156, 13.3768, 22.5173

Background



This preview shows how black text looks on a background with the XYZ color 15.8156, 13.3768, 22.5173.



This preview shows how white text looks on a background with the XYZ color 15.8156, 13.3768,

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

15.8156, 13.3768, 22.5173

Protanopia

13.6118, 13.4121, 25.1639

Deuteranopia

13.6435, 13.3560, 21.9375



Tritanopia

14.2446, 13.4004, 14.9325

Trichromacy



Original Color

15.8156, 13.3768, 22.5173

Protanomaly

14.3102, 13.3719, 24.0171

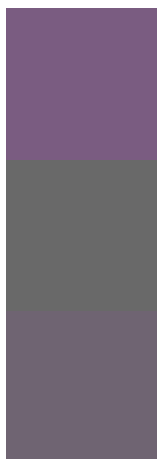
Deuteranomaly

14.3553, 13.2960, 22.2319

Tritanomaly

14.6806, 13.2986, 17.4159

Monochromacy



Original Color

15.8156, 13.3768, 22.5173

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.1500, 13.7088, 17.8199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8156, 13.3768, 22.5173 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(122, 92, 129)` looks like.

```
.text, #text, p{  
  color:rgb(122, 92, 129)  
}
```

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(122, 92, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 92, 129) }
```

Border

The CSS property to change the border of an element to XYZ 15.8156, 13.3768, 22.5173 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(122, 92, 129) }
```


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

```
.border{ border-color:rgb(122, 92, 129) }
```

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

Here you see how a box with a 4 pixel rgb(122, 92, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 92, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 92, 129);  
box-shadow:4px 4px 4px 4px rgb(122, 92,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8156, 13.3768, 22.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 92, 129) }
```

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

```
.background{ background-color: rgb(122, 92,  
129) }
```

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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