

Converting Colors

XYZ(23.2750, 20.1679, 17.9911)

Have a look what the booklet for
XYZ(23.2750, 20.1679, 17.9911)
contains.

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Color

**XYZ(23.3070, 20.1158,
17.9836)**

Conversions

Conversions Part 1

Format	Color
Hex	A16F70
RGB	161, 111, 112
RGB Percent	63%, 44%, 44%
CMY	0.3686, 0.5647, 0.5608
CMYK	0.00, 0.31, 0.30, 0.37
HSL	359°, 21%, 53%
HSV	359°, 31%, 63%
XYZ	23.3070, 20.1158, 17.9836
YIQ	126.0640, 29.4790, 10.9110

Conversions

Conversions Part 2

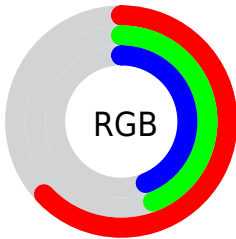
Format	Color
R_{YB}	161, 111, 112
Decimal	10579824
CIE _{Lab}	51.97, 19.99, 7.45
CIE _{LCh}	52, 21.337, 20.446
Yxy	20.1158, 0.3796, 0.3276
Android (android.graphics.Color)	4288769904 (0xFFA16F70)
YUV	126.0640, -6.9336, 30.6389
Hunter-Lab	44.8506, 14.2704, 7.6222

Details

The XYZ color **23.3070, 20.1158, 17.9836** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.6464, 31.4077, 37.9698**, and the grayscale version is **19.8692, 20.9040, 22.7644**.

A 20% lighter version of the original color is **48.4133, 43.6264, 40.9910**, and **8.8873, 7.1133, 5.7551** is the 20% darker color. If you saturate the color by 10%, you get **20.9031, 16.5929, 13.2210**, and if you desaturate by 10%, it is **26.1826, 24.3355, 23.6635**.

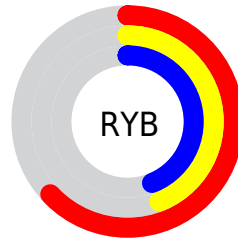
Distribution



Red (63%)

Green (44%)

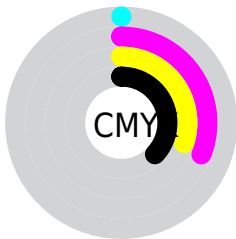
Blue (44%)



Red (63%)

Yellow (44%)

Blue (44%)

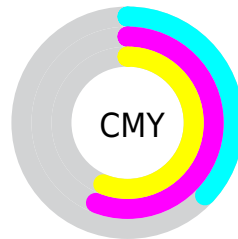


Cyan (0%)

Magenta (31%)

Yellow (30%)

Black (37%)



Cyan (37%)


Magenta (56%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3070, 20.1158, 17.9836 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 23.3070, 20.1158, 17.9836 by changing the saturation by 10% instead.


 23.3070, 20.1158,
17.9836


 23.3070, 20.1158,
17.9836


261.8039,
252.5413, 253.0116


 14.9423, 12.4792,
10.7689


 48.3599, 43.6112,
40.8229


 8.8650, 7.0709,
5.7994


 65.7788, 60.2389,
57.2847

 4.7096, 3.5065,
2.6567

 86.9465, 80.6324,
77.6658

 2.1109, 1.4015,
0.9215

 112.2283,
105.1762, 102.3849

 0.6951, 0.2179,
0.0000

141.9895,
134.2546, 131.8605

 0.0000, 0.0000,
0.0000

176.5957,

168.2519, 166.5111

216.4120,
207.5527, 206.7553

■ 23.3070, 20.1158,
17.9836

■ 23.3070, 20.1158,
17.9836

■ 20.9031, 16.5929,
13.2210

■ 26.1826, 24.3355,
23.6635

■ 18.9442, 13.7266,
9.3265

■ 29.5515, 29.2835,
30.3040

■ 17.4035, 11.4772,
6.2482

■ 33.4359, 34.9931,
37.9470


■ 16.2507, 9.7994,
3.9280


■ 37.8561, 41.4944,
46.6318

■ 15.4511, 8.6417,
2.3003


■ 42.8315, 48.8160,
56.3953


 14.9642, 7.9436,
1.2884

 48.3803, 56.9852,
67.2728

 14.7155, 7.5841,
0.7805

 54.5200, 66.0279,
79.2980

 61.2674, 75.9688,
92.5030

 68.3493, 86.2536,
106.8225

Harmonies

Analogous

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



23.5420, 20.1158, 23.9491



23.3070, 20.1158, 17.9836



21.9050, 20.1158, 13.9126

Triad

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



23.3070, 20.1158, 17.9836



16.0760, 20.1158, 15.1331



18.4344, 20.1158, 35.9459

Complementary

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



23.3070, 20.1158, 17.9836



25.6464, 31.4077, 37.9698

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.



16.5807, 20.1158, 32.4828



23.3070, 20.1158, 17.9836



15.2887, 20.1158, 19.9763

Square

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



23.3070, 20.1158, 17.9836



17.6970, 20.1158, 12.4961



15.4662, 20.1158, 26.3534



20.6162, 20.1158, 35.1344

Rectangle

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



23.3070, 20.1158, 17.9836



20.5520, 20.1158, 12.4524



15.4662, 20.1158, 26.3534



17.7551, 20.1158, 35.2217

Sweetspot

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



23.3075, 20.1168, 17.9840



54.1633, 54.2651, 56.7116



26.4822, 21.3481, 36.4431



11.6798, 11.6087, 12.0459



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.3075, 20.1168, 17.9840



38.7906, 31.7012, 26.3646



26.1390, 25.8680, 18.6555



7.0792, 7.0881, 7.4036



11.7547, 6.0579, 0.6330



0.2486, 0.1279, 0.0218

Inverse Universe

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



23.3075, 20.1168, 17.9840



38.7906, 31.7012, 26.3646



22.0301, 24.0350, 37.1963



7.0792, 7.0881, 7.4036



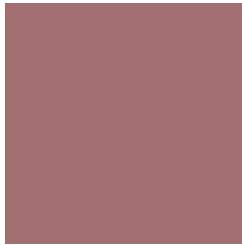
11.7547, 6.0579, 0.6330



0.2486, 0.1279, 0.0218

Previews

White Background



This preview shows how the XYZ color 23.3070, 20.1158, 17.9836 looks on a white background.

Color Contrast Check

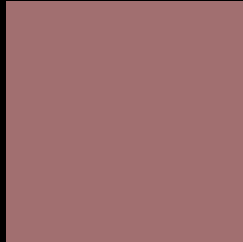
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 23.3070, 20.1158, 17.9836 looks on a black 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

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

XYZ 23.3070, 20.1158, 17.9836

Background



This preview shows how black text looks on a background with the XYZ color 23.3070, 20.1158, 17.9836.



This preview shows how white text looks on a background with the XYZ color 23.3070, 20.1158,

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

23.3070, 20.1158, 17.9836

Protanopia

19.4395, 20.3364, 20.3535

Deuteranopia

20.5154, 20.2215, 17.5737



Tritanopia

23.7462, 20.1412, 19.7756

Trichromacy



Original Color

23.3070, 20.1158, 17.9836

Protanomaly

20.5644, 20.0301, 19.3053

Deuteranomaly

21.4433, 20.1662, 17.8012

Tritanomaly

23.6286, 20.0942, 19.1562

Monochromacy



Original Color

23.3070, 20.1158, 17.9836

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.9360, 20.5442, 20.9511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3070, 20.1158, 17.9836 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(161, 111, 112)` looks like.

```
.text, #text, p{  
    color:rgb(161, 111, 112)  
}
```

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(161, 111, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 111, 112) }
```

Border

The CSS property to change the border of an element to XYZ 23.3070, 20.1158, 17.9836 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(161, 111, 112) }
```


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

```
.border{ border-color:rgb(161, 111, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 111, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 111, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 111, 112);  
box-shadow:4px 4px 4px 4px rgb(161, 111,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3070, 20.1158, 17.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 111, 112) }
```

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

```
.background{ background-color: rgb(161,  
111, 112) }
```

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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