

# Converting Colors

XYZ(23.2475, 19.3556, 20.3489)

Have a look what the booklet for  
XYZ(23.2475, 19.3556, 20.3489)  
contains.

<b>XYZ(23.3458, 19.4485, 20.2928)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(23.3458, 19.4485,  
20.2928)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A16B78
RGB	161, 107, 120
RGB Percent	63%, 42%, 47%
CMY	0.3686, 0.5804, 0.5294
CMYK	0.00, 0.34, 0.25, 0.37
HSL	346°, 22%, 53%
HSV	346°, 34%, 63%
XYZ	23.3458, 19.4485, 20.2928
YIQ	124.6280, 28.0110, 15.4910

# Conversions

## Conversions Part 2

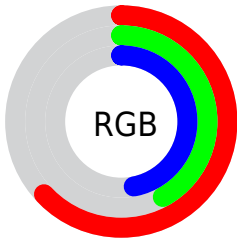
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 107, 120
Decimal	10578808
CIE <sub>Lab</sub>	51.21, 23.44, 1.63
CIE <sub>LCh</sub>	51, 23.499, 3.987
Yxy	19.4485, 0.3701, 0.3083
Android (android.graphics.Color)	4288768888 (0xFFA16B78)
YUV	124.6280, -2.2816, 31.8982
Hunter-Lab	44.1005, 17.3181, 3.5881

# Details

The XYZ color **23.3458, 19.4485, 20.2928** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.1544, 30.7541, 32.6815**, and the grayscale version is **19.3693, 20.3780, 22.1917**.

A 20% lighter version of the original color is **48.4598, 42.5265, 44.6841**, and **8.9180, 6.7840, 6.9703** is the 20% darker color. If you saturate the color by 10%, you get **21.1258, 16.1208, 16.1231**, and if you desaturate by 10%, it is **25.9742, 23.4410, 25.0664**.

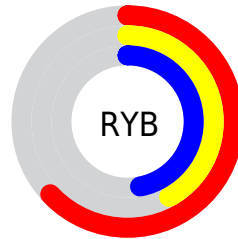
# Distribution



Red (63%)

Green (42%)

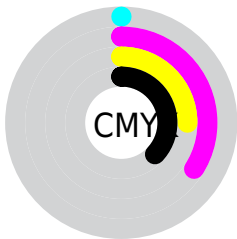
Blue (47%)



Red (63%)

Yellow (42%)

Blue (47%)

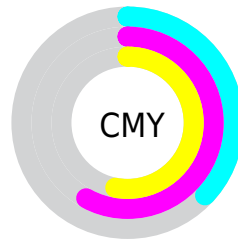


Cyan (0%)

Magenta (34%)

Yellow (25%)

Black (37%)



Cyan (37%)

Magenta (58%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3458, 19.4485, 20.2928 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 23.3458, 19.4485, 20.2928 by changing the saturation by 10% instead.





 23.3458, 19.4485,  
20.2928


 23.3458, 19.4485,  
20.2928


261.9984,  
248.9137, 266.1523


 14.9711, 11.9948,  
12.4219


 48.4230, 42.4906,  
44.7729


 8.8853, 6.7401,  
6.9057


 65.8563, 58.8478,  
62.2192

 4.7230, 3.3001,  
3.3256


 87.0398, 78.9416,  
83.6944

 2.1187, 1.2904,  
1.2632

 112.3389,  
103.1564, 109.6170

 0.6994, 0.1337,  
0.0314

142.1189,  
131.8766, 140.4056

 0.0000, 0.0000,  
0.0000

176.7453,

165.4866, 176.4786

216.5834,  
204.3709, 218.2547

■ 23.3458, 19.4485,  
20.2928

■ 23.3458, 19.4485,  
20.2928

■ 21.1258, 16.1208,  
16.1231

■ 25.9742, 23.4410,  
25.0664

■ 19.2915, 13.4190,  
12.5317

■ 29.0288, 28.1289,  
30.4659

■ 17.8208, 11.3043,  
9.4925


■ 32.5281, 33.5444,  
36.5134


■ 16.6882, 9.7324,  
6.9773


■ 36.4894, 39.7167,  
43.2298


■ 15.8649, 8.6529,  
4.9550


■ 40.9288, 46.6734,  
50.6349


 15.3170, 8.0054,  
3.3906

 45.8616, 54.4408,  
58.7477

 15.0601, 7.7219,  
2.5947

 51.3026, 63.0440,  
67.5865

 57.2658, 72.5068,  
77.1689

 63.7647, 82.8523,  
87.5119

# Harmonies

## Analogous

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



22.8299, 19.4485, 27.3438



23.3458, 19.4485, 20.2928



22.4717, 19.4485, 14.7597

# Triad

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



23.3458, 19.4485, 20.2928



16.0828, 19.4485, 12.1893



16.5817, 19.4485, 34.9928

# Complementary

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



23.3458, 19.4485, 20.2928



24.1544, 30.7541, 32.6815

# 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.



15.0005, 19.4485, 29.2254



23.3458, 19.4485, 20.2928



14.7300, 19.4485, 16.0135

# Square

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



23.3458, 19.4485, 20.2928



18.1742, 19.4485, 10.7486



14.3509, 19.4485, 22.0847



18.7998, 19.4485, 36.8038



# Rectangle

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



23.3458, 19.4485, 20.2928



21.2583, 19.4485, 12.3709



14.3509, 19.4485, 22.0847



15.9644, 19.4485, 33.4004

# Sweetspot

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



23.3463, 19.4494, 20.2932



53.9972, 53.4778, 58.0589



23.8139, 19.3389, 36.1960



11.6671, 11.4577, 12.4288



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.



23.3463, 19.4494, 20.2932



38.8714, 30.4165, 30.8502



24.1292, 22.1930, 16.9230



7.1404, 7.1126, 7.7259



12.0420, 6.1729, 2.1458



0.2702, 0.1366, 0.1355



# Inverse Universe

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



23.3463, 19.4494, 20.2932



38.8714, 30.4165, 30.8502



23.0088, 26.7229, 37.6637



7.1404, 7.1126, 7.7259



12.0420, 6.1729, 2.1458

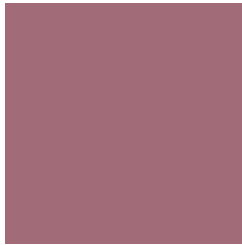


0.2702, 0.1366, 0.1355



# Previews

## White Background



This preview shows how the XYZ color 23.3458, 19.4485, 20.2928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

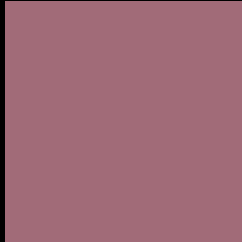
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 23.3458, 19.4485, 20.2928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

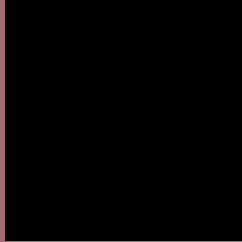
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 23.3458, 19.4485, 20.2928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.3458, 19.4485, 20.2928.



This preview shows how white text looks on a background with the XYZ color 23.3458, 19.4485,



# 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

23.3458, 19.4485, 20.2928

### Protanopia

19.0242, 19.6885, 23.2197

### Deuteranopia

19.9018, 19.4991, 19.8543



## Tritanopia

23.2129, 19.5631, 19.0756

# Trichromacy



## Original Color

23.3458, 19.4485, 20.2928

## Protanomaly

20.3795, 19.5216, 22.0960

## Deuteranomaly

21.0241, 19.3863, 20.0866

## Tritanomaly

23.2714, 19.5865, 19.3837

# Monochromacy



## Original Color

23.3458, 19.4485, 20.2928

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

20.5348, 19.7902, 21.4765

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.3458, 19.4485, 20.2928 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, 107, 120)` looks like.

```
.text, #text, p{  
    color:rgb(161, 107, 120)  
}
```

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, 107, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 107, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 23.3458, 19.4485, 20.2928 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, 107, 120) }
```



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

```
.border{ border-color:rgb(161, 107, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 107, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 107, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 107, 120);  
box-shadow:4px 4px 4px 4px rgb(161, 107,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.3458, 19.4485, 20.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 107, 120) }
```

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

```
.background{ background-color: rgb(161,  
107, 120) }
```

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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