

Converting Colors

XYZ(23.2777, 18.6628, 20.0970)

Have a look what the booklet for
XYZ(23.2777, 18.6628, 20.0970)
contains.

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Color

**XYZ(23.2458, 18.6453,
20.1430)**

Conversions

Conversions Part 1

Format	Color
Hex	A36678
RGB	163, 102, 120
RGB Percent	64%, 40%, 47%
CMY	0.3608, 0.6000, 0.5294
CMYK	0.00, 0.37, 0.26, 0.36
HSL	342°, 25%, 52%
HSV	342°, 37%, 64%
XYZ	23.2458, 18.6453, 20.1430
YIQ	122.2910, 30.5780, 18.5300

Conversions

Conversions Part 2

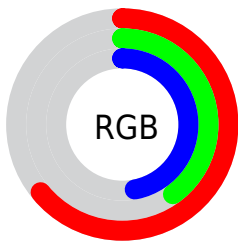
Format	Color
R _Y B	163, 102, 120
Decimal	10708600
CIE Lab	50.27, 27.04, 0.30
CIE LCh	50, 27.041, 0.632
Yxy	18.6453, 0.3747, 0.3006
Android (android.graphics.Color)	4288898680 (0xFFA36678)
YUV	122.2910, -1.1295, 35.7018
Hunter-Lab	43.1802, 20.5290, 2.5681

Details

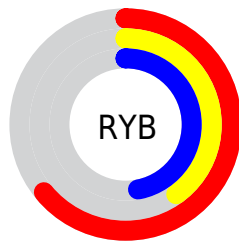
The XYZ color **23.2458, 18.6453, 20.1430** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.6883, 31.0640, 31.5370**, and the grayscale version is **18.5908, 19.5590, 21.2997**.

A 20% lighter version of the original color is **48.2154, 41.1498, 44.4312**, and **8.9193, 6.4212, 6.9002** is the 20% darker color. If you saturate the color by 10%, you get **21.1425, 15.4886, 16.2053**, and if you desaturate by 10%, it is **25.7488, 22.4672, 24.6273**.

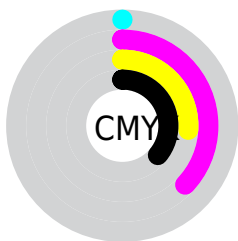
Distribution



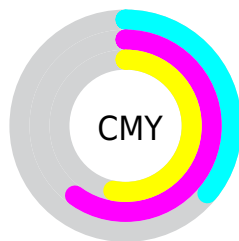
- Red (64%)
- Green (40%)
- Blue (47%)



- Red (64%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (37%)
- Yellow (26%)
- Black (36%)



- Cyan (36%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2458, 18.6453, 20.1430 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 23.2458, 18.6453, 20.1430 by changing the saturation by 10% instead.

■ 23.2458, 18.6453,
20.1430

■ 23.2458, 18.6453,
20.1430

261.4968,
244.4836, 265.3180

■ 14.8968, 11.4143,
12.3139

■ 48.2603, 41.1339,
44.5189

■ 8.8328, 6.3462,
6.8327

■ 65.6565, 57.1602,
61.9029

■ 4.6885, 3.0567,
3.2808

■ 86.7992, 76.8871,
83.3088

■ 2.0986, 1.1614,
1.2398

■ 112.0537,
100.6989, 109.1553

■ 0.6884, 0.0298,
0.0116

141.7853,
128.9801, 139.8610

■ 0.0000, 0.0000,
0.0000

176.3595,

162.1150, 175.8443

216.1415,
200.4880, 217.5238

■ 23.2458, 18.6453,
20.1430

■ 23.2458, 18.6453,
20.1430

■ 21.1425, 15.4886,
16.2053

■ 25.7488, 22.4672,
24.6273

■ 19.4160, 12.9561,
12.7914

■ 28.6698, 26.9869,
29.6775

■ 18.0430, 11.0066,
9.8783

■ 32.0278, 32.2378,
35.3133


■ 16.9971, 9.5925,
7.4409


■ 35.8401, 38.2507,
41.5532


■ 16.2481, 8.6587,
5.4514


■ 40.1233, 45.0544,
48.4146


 15.7488, 8.1173,
3.8752

 44.8927, 52.6763,
55.9146

 15.6398, 8.0007,
3.5263

 50.1634, 61.1423,
64.0691

 55.9494, 70.4775,
72.8938

 62.2645, 80.7056,
82.4039

Harmonies

Analogous

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



22.4797, 18.6453, 28.2225



23.2458, 18.6453, 20.1430



22.4147, 18.6453, 13.8074

Triad

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



23.2458, 18.6453, 20.1430



15.2791, 18.6453, 10.2532



15.3664, 18.6453, 35.6319

Complementary

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



23.2458, 18.6453, 20.1430



23.6883, 31.0640, 31.5370

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.



13.7344, 18.6453, 28.5669



23.2458, 18.6453, 20.1430



13.6876, 18.6453, 14.0214

Square

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



23.2458, 18.6453, 20.1430



17.6663, 18.6453, 9.0303



13.1506, 18.6453, 20.4610



17.7774, 18.6453, 38.3944

Rectangle

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



23.2458, 18.6453, 20.1430



21.1097, 18.6453, 11.0728



13.1506, 18.6453, 20.4610



14.7173, 18.6453, 33.6078

Sweetspot

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



23.2463, 18.6462, 20.1434



54.9898, 54.0201, 59.2993



22.9872, 18.1406, 36.9405



12.1763, 11.8602, 13.0265



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.2463, 18.6462, 20.1434



38.4160, 28.5592, 30.0774



23.5431, 20.8265, 15.3505



7.1558, 7.1188, 7.8066



12.1728, 6.2252, 2.8344



0.2755, 0.1387, 0.1635

Inverse Universe

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



23.2463, 18.6462, 20.1434



38.4160, 28.5592, 30.0774



23.1255, 27.5386, 38.7472



7.1558, 7.1188, 7.8066



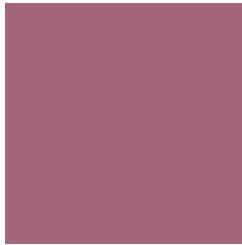
12.1728, 6.2252, 2.8344



0.2755, 0.1387, 0.1635

Previews

White Background



This preview shows how the XYZ color 23.2458, 18.6453, 20.1430 looks on a white background.

Color Contrast Check

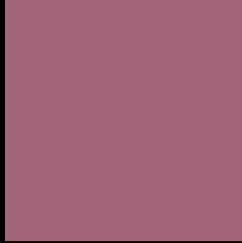
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2458, 18.6453, 20.1430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

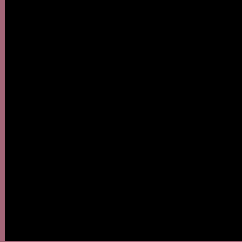
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2458, 18.6453, 20.1430

Background



This preview shows how black text looks on a background with the XYZ color 23.2458, 18.6453, 20.1430.



This preview shows how white text looks on a background with the XYZ color 23.2458, 18.6453,

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

23.2458, 18.6453, 20.1430

Protanopia

18.2338, 18.7273, 23.7728

Deuteranopia

19.0311, 18.7043, 19.7468



Tritanopia

22.7198, 18.7297, 17.4567

Trichromacy



Original Color

23.2458, 18.6453, 20.1430

Protanomaly

19.6627, 18.4675, 22.2669

Deuteranomaly

20.3419, 18.5404, 19.9593

Tritanomaly

22.7878, 18.5968, 18.3081

Monochromacy



Original Color

23.2458, 18.6453, 20.1430

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.8985, 18.9603, 20.7001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2458, 18.6453, 20.1430 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(163, 102, 120)` looks like.

```
.text, #text, p{  
    color:rgb(163, 102, 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(163, 102, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 102, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.2458, 18.6453, 20.1430 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(163, 102, 120) }
```


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

```
.border{ border-color:rgb(163, 102, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 102, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 102, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 102, 120);  
box-shadow:4px 4px 4px 4px rgb(163, 102,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2458, 18.6453, 20.1430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 102, 120) }
```

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

```
.background{ background-color: rgb(163,  
102, 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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