

Converting Colors

XYZ(23.7733, 20.9541, 21.5862)

Have a look what the booklet for
XYZ(23.7733, 20.9541, 21.5862)
contains.

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Color

**XYZ(23.8064, 20.9606,
21.5300)**

Conversions

Conversions Part 1

Format	Color
Hex	9E737B
RGB	158, 115, 123
RGB Percent	62%, 45%, 48%
CMY	0.3804, 0.5490, 0.5176
CMYK	0.00, 0.27, 0.22, 0.38
HSL	349°, 18%, 54%
HSV	349°, 27%, 62%
XYZ	23.8064, 20.9606, 21.5300
YIQ	128.7690, 23.0600, 11.6040

Conversions

Conversions Part 2

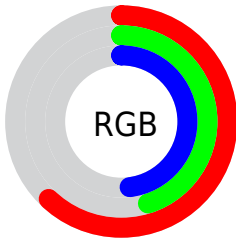
Format	Color
R_{YB}	158, 115, 123
Decimal	10384251
CIE _{Lab}	52.91, 18.17, 2.29
CIE _{LCh}	53, 18.311, 7.173
Yxy	20.9606, 0.3591, 0.3162
Android (android.graphics.Color)	4288574331 (0xFF9E737B)
YUV	128.7690, -2.8441, 25.6356
Hunter-Lab	45.7827, 12.6977, 4.1659

Details

The XYZ color **23.8064, 20.9606, 21.5300** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.8029, 30.3010, 33.3969**, and the grayscale version is **20.7899, 21.8726, 23.8192**.

A 20% lighter version of the original color is **48.9972, 44.8787, 46.6375**, and **9.1281, 7.4550, 7.4364** is the 20% darker color. If you saturate the color by 10%, you get **21.4039, 17.3603, 17.0145**, and if you desaturate by 10%, it is **26.6247, 25.2228, 26.7065**.

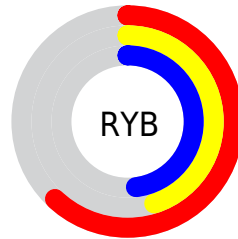
Distribution



Red (62%)

Green (45%)

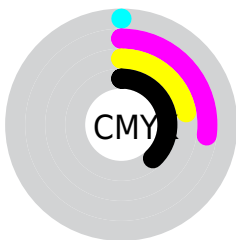
Blue (48%)



Red (62%)

Yellow (45%)

Blue (48%)

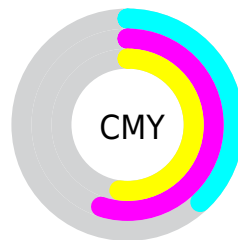


Cyan (0%)

Magenta (27%)

Yellow (22%)

Black (38%)



Cyan (38%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8064, 20.9606, 21.5300 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 23.8064, 20.9606, 21.5300 by changing the saturation by 10% instead.

■ 23.8064, 20.9606,
21.5300

■ 23.8064, 20.9606,
21.5300

264.2989,
257.0690, 272.9549

■ 15.3140, 13.0952,
13.3170

■ 49.1711, 45.0220,
46.8601

■ 9.1278, 7.4941,
7.5139

■ 66.7741, 61.9867,
64.8143

■ 4.8824, 3.7730,
3.7022

■ 88.1447, 82.7534,
86.8526

■ 2.2125, 1.5474,
1.4634

■ 113.6482,
107.7063, 113.3936

■ 0.7493, 0.3218,
0.1905

143.6500,
137.2300, 144.8557

■ 0.0000, 0.0000,
0.0000

178.5155,

171.7087, 181.6576

218.6100,
211.5269, 224.2178

■ 23.8064, 20.9606,
21.5300

■ 23.8064, 20.9606,
21.5300

■ 21.4039, 17.3603,
17.0145

■ 26.6247, 25.2228,
26.7065

■ 19.3955, 14.3859,
13.1319

■ 29.8756, 30.1747,
32.5679

■ 17.7605, 12.0023,
9.8540


■ 33.5769, 35.8462,
39.1386


■ 16.4751, 10.1697,
7.1498


■ 37.7452, 42.2646,
46.4414


■ 15.5131, 8.8437,
4.9856


■ 42.3959, 49.4555,
54.4979


 14.8442, 7.9726,
3.3240

 47.5439, 57.4436,
63.3290

 14.4225, 7.4744,
2.1193

 53.2035, 66.2524,
72.9548

 14.3272, 7.3598,
1.8531

 59.3882, 75.9042,
83.3944

 65.4041, 85.0065,
94.4308

Harmonies

Analogous

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



23.5151, 20.9606, 27.1660



23.8064, 20.9606, 21.5300



23.0050, 20.9606, 17.0217

Triad

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



23.8064, 20.9606, 21.5300



17.7780, 20.9606, 15.4045



18.5269, 20.9606, 33.9957

Complementary

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



23.8064, 20.9606, 21.5300



24.8029, 30.3010, 33.3969

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.



17.1283, 20.9606, 29.8109



23.8064, 20.9606, 21.5300



16.7157, 20.9606, 18.9686

Square

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



23.8064, 20.9606, 21.5300



19.4658, 20.9606, 13.8720



16.4857, 20.9606, 24.1658



20.3861, 20.9606, 34.9751

Rectangle

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



23.8064, 20.9606, 21.5300



21.9874, 20.9606, 15.0539



16.4857, 20.9606, 24.1658



17.9910, 20.9606, 32.8880

Sweetspot

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



23.8070, 20.9616, 21.5304



53.6624, 53.8935, 58.0844



24.7705, 21.1583, 35.1263



11.8973, 11.8437, 12.7349



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.



23.8070, 20.9616, 21.5304



40.3422, 33.7258, 33.6898



24.9018, 23.9200, 19.5254



6.6810, 6.6653, 7.1711



11.4859, 5.8989, 1.5436



0.2175, 0.1103, 0.0915

Inverse Universe

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



23.8070, 20.9616, 21.5304



40.3422, 33.7258, 33.6898



23.3832, 26.3955, 36.2102



6.6810, 6.6653, 7.1711



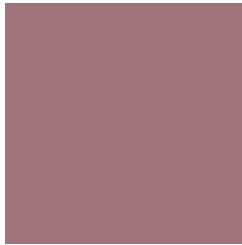
11.4859, 5.8989, 1.5436



0.2175, 0.1103, 0.0915

Previews

White Background



This preview shows how the XYZ color 23.8064, 20.9606, 21.5300 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 23.8064, 20.9606, 21.5300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

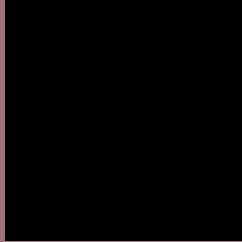
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8064, 20.9606, 21.5300

Background



This preview shows how black text looks on a background with the XYZ color 23.8064, 20.9606, 21.5300.



This preview shows how white text looks on a background with the XYZ color 23.8064, 20.9606,

21.5300.

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

23.8064, 20.9606, 21.5300

Protanopia

20.3254, 21.0959, 23.7695

Deuteranopia

21.4569, 20.9869, 21.3323



Tritanopia

23.8694, 20.9858, 21.8614

Trichromacy



Original Color

23.8064, 20.9606, 21.5300

Protanomaly

21.4378, 20.9403, 22.9907

Deuteranomaly

22.1423, 20.8018, 21.2605

Tritanomaly

23.8694, 20.9858, 21.8614

Monochromacy



Original Color

23.8064, 20.9606, 21.5300

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.8536, 21.5231, 23.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8064, 20.9606, 21.5300 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(158, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(158, 115, 123)  
}
```

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(158, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 115, 123) }
```

Border

The CSS property to change the border of an element to XYZ 23.8064, 20.9606, 21.5300 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(158, 115, 123) }
```


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

```
.border{ border-color:rgb(158, 115, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(158, 115,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8064, 20.9606, 21.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 115, 123) }
```

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

```
.background{ background-color: rgb(158,  
115, 123) }
```

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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