

Converting Colors

XYZ(23.2292, 19.6489, 9.7762)

Have a look what the booklet for
XYZ(23.2292, 19.6489, 9.7762)
contains.

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Color

**XYZ(23.2104, 19.6115,
9.7698)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6B4E
RGB	170, 107, 78
RGB Percent	67%, 42%, 31%
CMY	0.3333, 0.5804, 0.6941
CMYK	0.00, 0.37, 0.54, 0.33
HSL	19°, 37%, 49%
HSV	19°, 54%, 67%
XYZ	23.2104, 19.6115, 9.7698
YIQ	122.5310, 46.8570, 4.3370

Conversions

Conversions Part 2

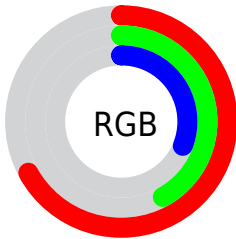
Format	Color
R_{YB}	170, 120, 78
Decimal	11168590
CIE _{Lab}	51.40, 22.03, 26.66
CIE _{LCh}	51, 34.584, 50.434
Yxy	19.6115, 0.4413, 0.3729
Android (android.graphics.Color)	4289358670 (0xFFAA6B4E)
YUV	122.5310, -21.9538, 41.6303
Hunter-Lab	44.2849, 16.0561, 17.9193

Details

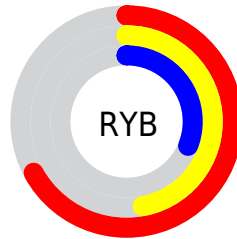
The XYZ color **23.2104, 19.6115, 9.7698** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.9219, 23.5706, 41.5296**, and the grayscale version is **18.7320, 19.7075, 21.4614**.

A 20% lighter version of the original color is **48.2238, 42.8226, 25.8026**, and **8.7779, 6.8151, 2.2917** is the 20% darker color. If you saturate the color by 10%, you get **21.5449, 17.1332, 6.5865**, and if you desaturate by 10%, it is **25.1978, 22.4816, 13.8380**.

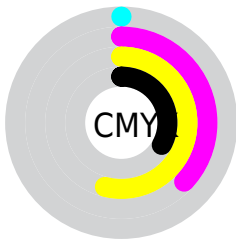
Distribution



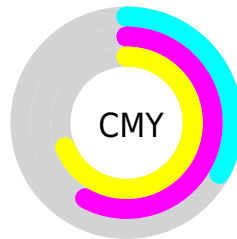
- Red (67%)
- Green (42%)
- Blue (31%)



- Red (67%)
- Yellow (47%)
- Blue (31%)



- Cyan (0%)
- Magenta (37%)
- Yellow (54%)
- Black (33%)



- Cyan (33%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2104, 19.6115, 9.7698 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 23.2104, 19.6115, 9.7698 by changing the saturation by 10% instead.

■ 23.2104, 19.6115,
9.7698

■ 23.2104, 19.6115,
9.7698

261.3190,
249.8041, 199.4459

■ 14.8705, 12.1130,
5.1430

■ 48.2027, 42.7649,
25.9626

■ 8.8143, 6.8207,
2.2712

■ 65.5858, 59.1885,
38.3657

■ 4.6764, 3.3502,
0.7150

■ 86.7140, 79.3559,
54.1980

■ 2.0914, 1.3172,
0.0000

■ 111.9526,
103.6516, 73.8780

■ 0.6846, 0.1544,
0.0000

■ 141.6671,
132.4598, 97.8242

■ 0.0000, 0.0000,
0.0000

176.2228,

166.1650, 126.4552

215.9850,
205.1517, 160.1896

■ 23.2104, 19.6115,
9.7698

■ 23.2104, 19.6115,
9.7698

■ 21.5449, 17.1332,
6.5865

■ 25.1978, 22.4816,
13.8380

■ 20.1811, 15.0257,
4.2196

■ 27.5229, 25.7573,
18.8506

■ 19.0981, 13.2707,
2.5919

■ 30.2021, 29.4551,
24.8628

■ 18.2714, 11.8462,
1.6107

■ 33.2501, 33.5898,
31.9255

■ 17.8779, 11.1468,
1.2093

■ 36.6810, 38.1755,
40.0861

■ 40.5079, 43.2255,
49.3889

■ 44.7434, 48.7527,
59.8758

■ 49.3993, 54.7694,
71.5868

■ 54.4873, 61.2873,
84.5597

Harmonies

Analogous

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



25.6005, 19.6115, 15.3646



23.2104, 19.6115, 9.7698



19.7685, 19.6115, 7.5304

Triad

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



23.2104, 19.6115, 9.7698



12.8158, 19.6115, 18.3393



21.0624, 19.6115, 44.6666

Complementary

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



23.2104, 19.6115, 9.7698



19.9219, 23.5706, 41.5296

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.



17.5556, 19.6115, 46.2129



23.2104, 19.6115, 9.7698



13.0717, 19.6115, 28.7260

Square

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



23.2104, 19.6115, 9.7698



13.9645, 19.6115, 11.3658



14.7130, 19.6115, 39.6822



24.2578, 19.6115, 35.9461

Rectangle

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



23.2104, 19.6115, 9.7698



17.4602, 19.6115, 7.5555



14.7130, 19.6115, 39.6822



19.8721, 19.6115, 46.1290

Sweetspot

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



23.2109, 19.6125, 9.7702



59.0690, 59.2464, 54.9744



24.2145, 15.9600, 27.5533



12.9214, 12.8724, 11.6744



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.2109, 19.6125, 9.7702



38.5373, 30.2440, 10.9482



29.1161, 31.4229, 11.7386



7.7169, 7.9139, 7.9101



13.1963, 8.2899, 0.9046



0.3665, 0.2926, 0.0372

Inverse Universe

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



19.9219, 23.5706, 41.5296



31.8794, 38.0739, 74.6707



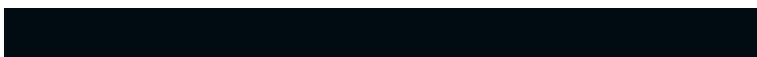
14.6172, 12.9611, 39.7614



7.5451, 8.1271, 9.5894



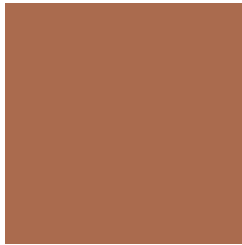
10.0176, 11.4953, 29.6663



0.2865, 0.3652, 0.7360

Previews

White Background



This preview shows how the XYZ color 23.2104, 19.6115, 9.7698 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 23.2104, 19.6115, 9.7698 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 23.2104, 19.6115, 9.7698

Background



This preview shows how black text looks on a background with the XYZ color 23.2104, 19.6115, 9.7698.



This preview shows how white text looks on a background with the XYZ color 23.2104, 19.6115,

9.7698.

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

23.2104, 19.6115, 9.7698

Protanopia

18.3561, 19.7926, 11.2404

Deuteranopia

20.0602, 19.6339, 9.5699



Tritanopia

24.6780, 19.5969, 17.2338

Trichromacy



Original Color

23.2104, 19.6115, 9.7698

Protanomaly

19.7383, 19.4428, 10.6951

Deuteranomaly

21.1493, 19.5142, 9.6731

Tritanomaly

23.9495, 19.4404, 14.0454

Monochromacy



Original Color

23.2104, 19.6115, 9.7698

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.8303, 19.3596, 16.6015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2104, 19.6115, 9.7698 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(170, 107, 78)` looks like.

```
.text, #text, p{  
    color:rgb(170, 107, 78)  
}
```

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(170, 107, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 107, 78) }
```

Border

The CSS property to change the border of an element to XYZ 23.2104, 19.6115, 9.7698 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(170, 107, 78) }
```


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

```
.border{ border-color:rgb(170, 107, 78) }
```

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

Here you see how a box with a 4 pixel rgb(170, 107, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 107, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 107, 78);  
box-shadow:4px 4px 4px 4px rgb(170, 107,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2104, 19.6115, 9.7698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 107, 78) }
```

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

```
.background{ background-color: rgb(170,  
107, 78) }
```

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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