

Converting Colors

XYZ(23.9296, 20.4456, 9.7450)

Have a look what the booklet for
XYZ(23.9296, 20.4456, 9.7450)
contains.

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Color

**XYZ(23.9287, 20.4583,
9.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6E4D
RGB	172, 110, 77
RGB Percent	67%, 43%, 30%
CMY	0.3255, 0.5686, 0.6980
CMYK	0.00, 0.36, 0.55, 0.33
HSL	21°, 38%, 49%
HSV	21°, 55%, 67%
XYZ	23.9287, 20.4583, 9.7089
YIQ	124.7760, 47.5450, 2.8810

Conversions

Conversions Part 2

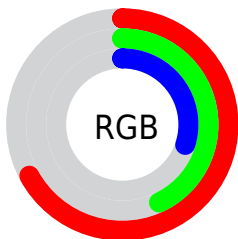
Format	Color
R_{YB}	172, 128, 77
Decimal	11300429
CIE Lab	52.35, 21.10, 28.50
CIE LCh	52, 35.456, 53.485
Yxy	20.4583, 0.4423, 0.3782
Android (android.graphics.Color)	4289490509 (0xFFAC6E4D)
YUV	124.7760, -23.5536, 41.4154
Hunter-Lab	45.2309, 15.2787, 18.9349

Details

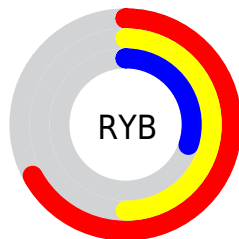
The XYZ color **23.9287, 20.4583, 9.7089** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.7391, 23.0205, 42.4325**, and the grayscale version is **19.4836, 20.4982, 22.3226**.

A 20% lighter version of the original color is **49.3842, 44.1960, 26.0065**, and **9.1858, 7.2625, 2.2842** is the 20% darker color. If you saturate the color by 10%, you get **22.2646, 17.9768, 6.5439**, and if you desaturate by 10%, it is **25.9078, 23.3129, 13.7715**.

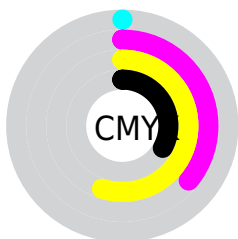
Distribution



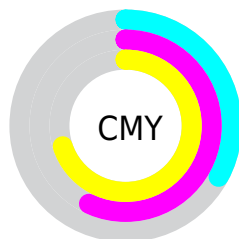
- Red (67%)
- Green (43%)
- Blue (30%)



- Red (67%)
- Yellow (50%)
- Blue (30%)



- Cyan (0%)
- Magenta (36%)
- Yellow (55%)
- Black (33%)





- Cyan (33%)
- Magenta (57%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9287, 20.4583, 9.7089 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 23.9287, 20.4583, 9.7089 by changing the saturation by 10% instead.


 23.9287, 20.4583,
9.7089


 23.9287, 20.4583,
9.7089


264.9070,
254.3855, 198.9904


 15.4052, 12.7286,
5.1033


 49.3693, 44.1842,
25.8457


 9.1924, 7.2419,
2.2482


 67.0172, 60.9493,
38.2140

 4.9250, 3.6139,
0.7020

 88.4372, 81.4949,
54.0070

 2.2376, 1.4600,
0.0000

 113.9947,
106.2055, 73.6431

 0.7625, 0.2603,
0.0000

 144.0551,
135.4654, 97.5410

 0.0000, 0.0000,
0.0000

178.9837,

169.6592, 126.1191

219.1459,
209.1710, 159.7961

■ 23.9287, 20.4583,
9.7089

■ 23.9287, 20.4583,
9.7089

■ 22.2646, 17.9768,
6.5439

■ 25.9078, 23.3129,
13.7715

■ 20.8953, 15.8488,
4.2052

■ 28.2175, 26.5530,
18.7931

■ 19.8003, 14.0572,
2.6123

■ 30.8737, 30.1942,
24.8310

■ 18.9545, 12.5814,
1.6650

■ 33.8912, 34.2501,
31.9378

■ 18.6162, 11.9766,
1.3305

■ 37.2835, 38.7337,
40.1622

■ 41.0636, 43.6575,
49.5500

■ 45.2438, 49.0334,
60.1444

■ 49.8358, 54.8728,
71.9864

■ 54.8509, 61.1866,
85.1151

Harmonies

Analogous

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



26.6208, 20.4583, 15.1855



23.9287, 20.4583, 9.7089



20.2525, 20.4583, 7.6758

Triad

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



23.9287, 20.4583, 9.7089



13.2707, 20.4583, 20.0712



22.3790, 20.4583, 46.2728

Complementary

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



23.9287, 20.4583, 9.7089



19.7391, 23.0205, 42.4325

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.



18.6592, 20.4583, 48.8181



23.9287, 20.4583, 9.7089



13.6907, 20.4583, 31.2870

Square

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



23.9287, 20.4583, 9.7089



14.3308, 20.4583, 12.3258



15.5596, 20.4583, 42.6571



25.6506, 20.4583, 36.5091

Rectangle

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



23.9287, 20.4583, 9.7089



17.8534, 20.4583, 7.8863



15.5596, 20.4583, 42.6571



21.1284, 20.4583, 48.1055

Sweetspot

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



23.9292, 20.4593, 9.7093



60.2942, 60.5468, 55.1038



24.4254, 15.9819, 26.7375



12.8691, 12.8445, 11.4203



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.



23.9292, 20.4593, 9.7093



39.8659, 31.8101, 10.9304



30.2692, 33.1393, 11.8226



8.2243, 8.4534, 8.4116



13.9006, 9.0068, 1.0058



0.4387, 0.3546, 0.0453

Inverse Universe

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



19.7391, 23.0205, 42.4325



31.4464, 36.8191, 76.2552



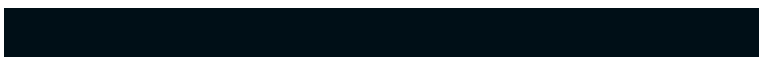
14.4069, 12.3561, 40.6551



7.9986, 8.5965, 10.1904



9.9261, 10.9860, 30.6419



0.3247, 0.4027, 0.8686

Previews

White Background



This preview shows how the XYZ color 23.9287, 20.4583, 9.7089 looks on a white background.

Color Contrast Check

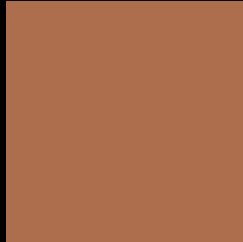
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9287, 20.4583, 9.7089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

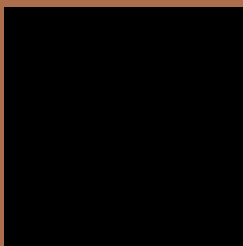
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9287, 20.4583, 9.7089

Background



This preview shows how black text looks on a background with the XYZ color 23.9287, 20.4583, 9.7089.



This preview shows how white text looks on a background with the XYZ color 23.9287, 20.4583,

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

23.9287, 20.4583, 9.7089

Protanopia

19.0483, 20.5260, 11.1416

Deuteranopia

20.9354, 20.6163, 9.5325



Tritanopia

25.7114, 20.4094, 18.2070

Trichromacy



Original Color

23.9287, 20.4583, 9.7089

Protanomaly

20.5961, 20.4166, 10.6398

Deuteranomaly

21.8480, 20.3835, 9.6204

Tritanomaly

25.0135, 20.4342, 14.6824

Monochromacy



Original Color

23.9287, 20.4583, 9.7089

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.5786, 20.2664, 17.0146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9287, 20.4583, 9.7089 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(172, 110, 77)` looks like.

```
.text, #text, p{  
    color:rgb(172, 110, 77)  
}
```

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(172, 110, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 110, 77) }
```

Border

The CSS property to change the border of an element to XYZ 23.9287, 20.4583, 9.7089 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(172, 110, 77) }
```


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

```
.border{ border-color:rgb(172, 110, 77) }
```

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

Here you see how a box with a 4 pixel rgb(172, 110, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 110, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 110, 77);  
box-shadow:4px 4px 4px 4px rgb(172, 110,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9287, 20.4583, 9.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 110, 77) }
```

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

```
.background{ background-color: rgb(172,  
110, 77) }
```

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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