

Converting Colors

XYZ(27.7051, 23.4094, 9.3728)

Have a look what the booklet for
XYZ(27.7051, 23.4094, 9.3728)
contains.

XYZ(27.6977, 23.4109, 9.3623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.6977, 23.4109,
9.3623)**

Conversions

Conversions Part 1

Format	Color
Hex	BA7449
RGB	186, 116, 73
RGB Percent	73%, 45%, 29%
CMY	0.2706, 0.5451, 0.7137
CMYK	0.00, 0.38, 0.61, 0.27
HSL	23°, 45%, 51%
HSV	23°, 61%, 73%
XYZ	27.6977, 23.4109, 9.3623
YIQ	132.0280, 55.5230, 1.4670

Conversions

Conversions Part 2

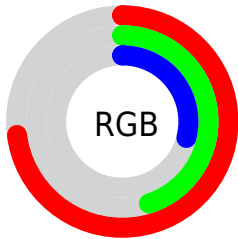
Format	Color
R _Y B	186, 142, 73
Decimal	12219465
CIE Lab	55.49, 23.33, 34.99
CIE LCh	55, 42.054, 56.304
Yxy	23.4109, 0.4580, 0.3871
Android (android.graphics.Color)	4290409545 (0xFFBA7449)
YUV	132.0280, -29.1008, 47.3334
Hunter-Lab	48.3848, 17.5082, 22.3970

Details

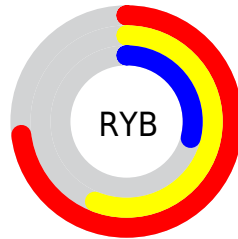
The XYZ color **27.6977, 23.4109, 9.3623** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.4325, 24.6054, 50.0739**, and the grayscale version is **22.0304, 23.1777, 25.2405**.

A 20% lighter version of the original color is **55.2340, 48.8478, 25.2563**, and **11.2582, 8.7606, 2.1345** is the 20% darker color. If you saturate the color by 10%, you get **25.9241, 20.7075, 6.1703**, and if you desaturate by 10%, it is **29.8216, 26.5199, 13.5812**.

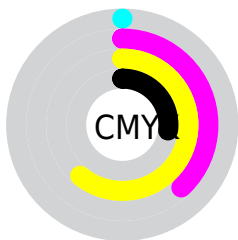
Distribution



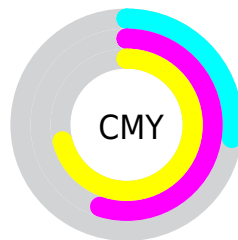
- Red (73%)
- Green (45%)
- Blue (29%)



- Red (73%)
- Yellow (56%)
- Blue (29%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (27%)





- Cyan (27%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6977, 23.4109, 9.3623 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 27.6977, 23.4109, 9.3623 by changing the saturation by 10% instead.


 27.6977, 23.4109,
9.3623


 27.6977, 23.4109,
9.3623


283.1259,
269.8285, 196.3746


 18.2372, 14.8972,
4.8782


 55.4135, 49.0671,
25.1777

 11.2211, 8.7473,
2.1185


 74.3994, 66.9785,
37.3461

 6.2842, 4.5767,
0.6267


 97.2913, 88.7912,
52.9131

 3.0609, 2.0011,
0.0000

 124.4543,
114.8896, 72.2971

 1.1861, 0.6081,
0.0000

 156.2540,
145.6581, 95.9167

 0.0953, 0.0000,
0.0000

193.0556,

 0.0000, 0.0000,

181.4812, 124.1905

0.0000

235.2244,
222.7432, 157.5369

■ 27.6977, 23.4109,
9.3623

■ 27.6977, 23.4109,
9.3623

■ 25.9241, 20.7075,
6.1703

■ 29.8216, 26.5199,
13.5812

■ 24.4761, 18.3873,
3.9123

■ 32.3146, 30.0484,
18.9062

■ 23.3277, 16.4308,
2.4806

■ 35.1963, 34.0136,
25.4100

■ 22.4892, 14.9183,
1.6942

■ 38.4840, 38.4309,
33.1588

■ 42.1939, 43.3147,
42.2138

■ 46.3415, 48.6789,
52.6321

■ 50.9411, 54.5364,
64.4675

■ 56.0067, 60.9001,
77.7708

■ 61.5514, 67.7821,
92.5901

Harmonies

Analogous

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



31.4578, 23.4109, 15.5889



27.6977, 23.4109, 9.3623



22.8438, 23.4109, 7.3130

Triad

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



27.6977, 23.4109, 9.3623



14.3423, 23.4109, 23.8454



26.5373, 23.4109, 56.7616

Complementary

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



27.6977, 23.4109, 9.3623



21.4325, 24.6054, 50.0739

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.



21.6693, 23.4109, 61.3965



27.6977, 23.4109, 9.3623



15.0431, 23.4109, 38.8879

Square

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



27.6977, 23.4109, 9.3623



15.5000, 23.4109, 13.5829



17.5703, 23.4109, 53.9418



30.7239, 23.4109, 42.8774

Rectangle

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



27.6977, 23.4109, 9.3623



19.7906, 23.4109, 7.7543



17.5703, 23.4109, 53.9418



24.9081, 23.4109, 59.6261

Sweetspot

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



27.6983, 23.4121, 9.3627



71.3330, 71.7516, 63.9068



27.7098, 17.2354, 28.4797



15.2951, 15.2521, 13.0771



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.6983, 23.4121, 9.3627



46.0174, 36.0032, 9.5871



36.0026, 40.0207, 12.1308



9.2772, 9.5574, 9.4627



15.1975, 10.1714, 1.1623



0.5962, 0.4795, 0.0611

Inverse Universe

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



21.4325, 24.6054, 50.0739



33.5917, 38.2038, 89.8050



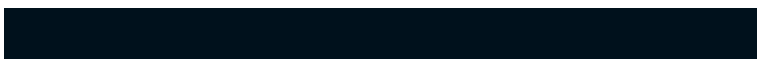
15.1060, 11.9523, 47.9650



8.9718, 9.6208, 11.4636



10.1778, 10.8153, 32.8042



0.4165, 0.4967, 1.1757

Previews

White Background



This preview shows how the XYZ color 27.6977, 23.4109, 9.3623 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 27.6977, 23.4109, 9.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

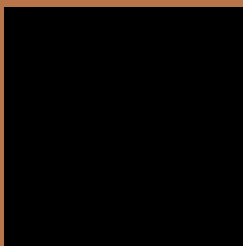
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6977, 23.4109, 9.3623

Background



This preview shows how black text looks on a background with the XYZ color 27.6977, 23.4109, 9.3623.



This preview shows how white text looks on a background with the XYZ color 27.6977, 23.4109,

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

27.6977, 23.4109, 9.3623

Protanopia

21.6529, 23.4506, 10.7823

Deuteranopia

23.8310, 23.4202, 9.2258



Tritanopia

29.8920, 23.3026, 20.3751

Trichromacy



Original Color

27.6977, 23.4109, 9.3623

Protanomaly

23.6269, 23.2916, 10.2716

Deuteranomaly

25.0472, 23.2917, 9.3065

Tritanomaly

28.9315, 23.2390, 15.5311

Monochromacy



Original Color

27.6977, 23.4109, 9.3623

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.2790, 22.7448, 18.2022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6977, 23.4109, 9.3623 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(186, 116, 73)` looks like.

```
.text, #text, p{  
    color:rgb(186, 116, 73)  
}
```

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(186, 116, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 116, 73) }
```

Border

The CSS property to change the border of an element to XYZ 27.6977, 23.4109, 9.3623 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(186, 116, 73) }
```


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

```
.border{ border-color:rgb(186, 116, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 116, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 116, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 116, 73);  
box-shadow:4px 4px 4px 4px rgb(186, 116,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6977, 23.4109, 9.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 116, 73) }
```

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

```
.background{ background-color: rgb(186,  
116, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor