

Converting Colors

XYZ(24.7568, 23.8167, 10.8360)

Have a look what the booklet for
XYZ(24.7568, 23.8167, 10.8360)
contains.

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Color

**XYZ(24.7632, 23.8649,
10.8906)**

Conversions

Conversions Part 1

Format	Color
Hex	A67F50
RGB	166, 127, 80
RGB Percent	65%, 50%, 31%
CMY	0.3490, 0.5019, 0.6863
CMYK	0.00, 0.23, 0.52, 0.35
HSL	33°, 35%, 48%
HSV	33°, 52%, 65%
XYZ	24.7632, 23.8649, 10.8906
YIQ	133.3030, 38.3310, -6.3490

Conversions

Conversions Part 2

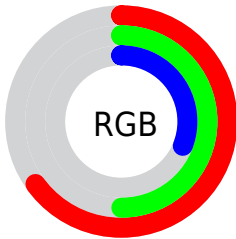
Format	Color
RYB	151, 166, 80
Decimal	10911568
CIELab	55.95, 9.21, 31.22
CIELCh	56, 32.546, 73.570
Yxy	23.8649, 0.4161, 0.4010
Android (android.graphics.Color)	4289101648 (0xFFA67F50)
YUV	133.3030, -26.2784, 28.6753
Hunter-Lab	48.8517, 4.9921, 20.9786

Details

The XYZ color **24.7632, 23.8649, 10.8906** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.7877, 17.6515, 38.5985**, and the grayscale version is **22.4884, 23.6595, 25.7652**.

A 20% lighter version of the original color is **50.7819, 49.9422, 28.0824**, and **9.6952, 9.0090, 2.7413** is the 20% darker color. If you saturate the color by 10%, you get **23.2881, 21.7779, 7.7378**, and if you desaturate by 10%, it is **26.4637, 26.1601, 14.8666**.

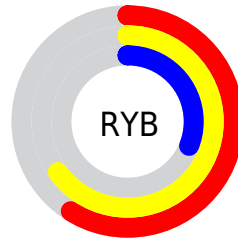
Distribution



Red (65%)

Green (50%)

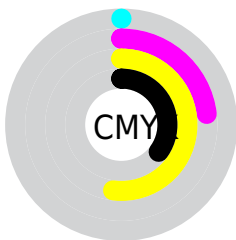
Blue (31%)



Red (59%)

Yellow (65%)

Blue (31%)

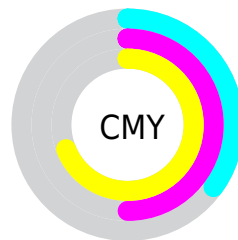


Cyan (0%)

Magenta (23%)

Yellow (52%)

Black (35%)



Cyan (35%)

Magenta (50%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7632, 23.8649, 10.8906 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 24.7632, 23.8649, 10.8906 by changing the saturation by 10% instead.

■ 24.7632, 23.8649,
10.8906

■ 24.7632, 23.8649,
10.8906

269.0260,
272.1367, 207.6259

■ 16.0285, 15.2334,
5.8801

■ 50.7185, 49.8096,
28.0912

■ 9.6353, 8.9834,
2.7047

■ 68.6698, 67.8917,
41.1184

■ 5.2182, 4.7303,
0.9458

■ 90.4240, 89.8928,
57.6549

■ 2.4119, 2.0899,
0.0000

■ 116.3464,
116.1972, 78.1193

■ 0.8511, 0.6590,
0.0000

■ 146.8025,
147.1894, 102.9300

■ 0.0000, 0.0000,
0.0000

182.1576,

183.2538, 132.5056

222.7770,
224.7748, 167.2648

■ 24.7632, 23.8649,
10.8906

■ 24.7632, 23.8649,
10.8906

■ 23.2881, 21.7779,
7.7378

■ 26.4637, 26.1601,
14.8666

■ 22.0236, 19.8879,
5.3463

■ 28.3995, 28.6672,
19.7187

■ 20.9558, 18.1877,
3.6479

■ 30.5821, 31.3940,
25.4970

■ 20.0675, 16.6678,
2.5610

■ 33.0215, 34.3469,
32.2472

■ 19.4437, 15.5428,
1.9753

■ 35.7271, 37.5319,
40.0122

■ 38.7078, 40.9547,
48.8322

■ 41.9721, 44.6208,
58.7451

■ 45.5281, 48.5356,
69.7872

■ 49.3835, 52.7041,
81.9927

Harmonies

Analogous

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



28.2602, 23.8649, 14.2840



24.7632, 23.8649, 10.8906



21.0482, 23.8649, 10.7433

Triad

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



24.7632, 23.8649, 10.8906



16.4252, 23.8649, 31.0850



27.9694, 23.8649, 43.7976

Complementary

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



24.7632, 23.8649, 10.8906



16.7877, 17.6515, 38.5985

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.



24.4000, 23.8649, 51.3665



24.7632, 23.8649, 10.8906



17.8924, 23.8649, 42.7835

Square

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



24.7632, 23.8649, 10.8906



16.4997, 23.8649, 20.6189



20.7224, 23.8649, 50.9516



30.2449, 23.8649, 32.2092

Rectangle

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



24.7632, 23.8649, 10.8906



18.9589, 23.8649, 12.3979



20.7224, 23.8649, 50.9516



26.8652, 23.8649, 47.0216

Sweetspot

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



24.7638, 23.8661, 10.8911



57.8841, 59.8785, 52.8008



21.9929, 15.2038, 19.5874



12.7591, 13.1642, 11.2793



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.7638, 23.8661, 10.8911



41.9353, 39.0428, 13.3815



30.2157, 35.6521, 12.8787



7.8581, 8.1963, 7.9571



15.1249, 12.1471, 1.5475



0.4181, 0.3958, 0.0544

Inverse Universe

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



16.7877, 17.6515, 38.5985



25.8711, 26.5423, 69.2349



13.3073, 10.3237, 37.3675



7.4015, 7.8399, 9.5415



7.3483, 6.1569, 28.7766



0.2303, 0.2527, 0.7173

Previews

White Background



This preview shows how the XYZ color 24.7632, 23.8649, 10.8906 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 24.7632, 23.8649, 10.8906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

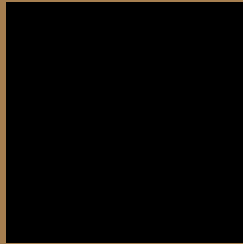
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7632, 23.8649, 10.8906

Background



This preview shows how black text looks on a background with the XYZ color 24.7632, 23.8649, 10.8906.



This preview shows how white text looks on a background with the XYZ color 24.7632, 23.8649,

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

24.7632, 23.8649, 10.8906

Protanopia

22.1191, 23.8778, 11.6267

Deuteranopia

24.2714, 23.8041, 10.9048



Tritanopia

27.4442, 23.8325, 24.2728

Trichromacy



Original Color

24.7632, 23.8649, 10.8906

Protanomaly

22.9657, 23.7118, 11.3491

Deuteranomaly

24.4770, 23.9100, 10.9144

Tritanomaly

26.3698, 23.7708, 18.5276

Monochromacy



Original Color

24.7632, 23.8649, 10.8906

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.8306, 23.4672, 19.2459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7632, 23.8649, 10.8906 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(166, 127, 80)` looks like.

```
.text, #text, p{  
    color:rgb(166, 127, 80)  
}
```

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(166, 127, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 127, 80) }
```

Border

The CSS property to change the border of an element to XYZ 24.7632, 23.8649, 10.8906 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(166, 127, 80) }
```


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

```
.border{ border-color:rgb(166, 127, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 127, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 127, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 127, 80);  
box-shadow:4px 4px 4px 4px rgb(166, 127,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7632, 23.8649, 10.8906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 127, 80) }
```

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

```
.background{ background-color: rgb(166,  
127, 80) }
```

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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