

Converting Colors

XYZ(23.3046, 18.9165, 10.4056)

Have a look what the booklet for
XYZ(23.3046, 18.9165, 10.4056)
contains.

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Color

**XYZ(23.2876, 18.8826,
10.4000)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6652
RGB	172, 102, 82
RGB Percent	67%, 40%, 32%
CMY	0.3255, 0.6000, 0.6784
CMYK	0.00, 0.41, 0.52, 0.33
HSL	13°, 35%, 50%
HSV	13°, 52%, 67%
XYZ	23.2876, 18.8826, 10.4000
YIQ	120.6500, 48.1400, 8.6200

Conversions

Conversions Part 2

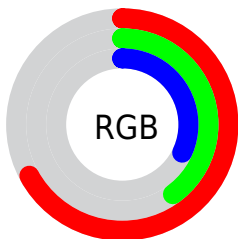
Format	Color
RYB	172, 108, 82
Decimal	11298386
CIELab	50.55, 26.02, 23.32
CIELCh	51, 34.939, 41.866
Yxy	18.8826, 0.4430, 0.3592
Android (android.graphics.Color)	4289488466 (0xFFAC6652)
YUV	120.6500, -19.0544, 45.0340
Hunter-Lab	43.4541, 19.6157, 16.2278

Details

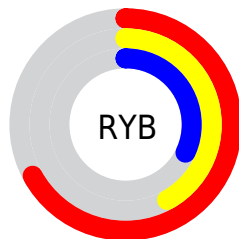
The XYZ color **23.2876, 18.8826, 10.4000** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **22.1537, 27.2275, 43.1173**, and the grayscale version is **18.1101, 19.0533, 20.7490**.

A 20% lighter version of the original color is **48.3536, 41.6001, 27.3109**, and **8.8556, 6.4849, 2.5352** is the 20% darker color. If you saturate the color by 10%, you get **21.5031, 16.2330, 6.9708**, and if you desaturate by 10%, it is **25.4493, 22.0241, 14.7646**.

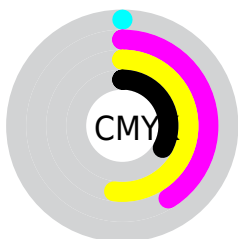
Distribution



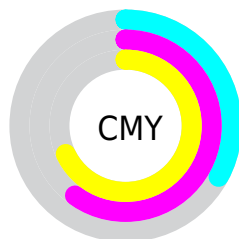
- Red (67%)
- Green (40%)
- Blue (32%)



- Red (67%)
- Yellow (42%)
- Blue (32%)



- Cyan (0%)
- Magenta (41%)
- Yellow (52%)
- Black (33%)



- Cyan (33%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2876, 18.8826, 10.4000 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 23.2876, 18.8826, 10.4000 by changing the saturation by 10% instead.

■ 23.2876, 18.8826,
10.4000

■ 23.2876, 18.8826,
10.4000

261.7066,
245.7999, 204.0910

■ 14.9279, 11.5855,
5.5559

■ 48.3283, 41.5356,
27.1647

■ 8.8548, 6.4621,
2.5126

■ 65.7400, 57.6603,
39.9223

■ 4.7029, 3.1280,
0.8468

■ 86.8998, 77.4963,
56.1550

■ 2.1070, 1.1989,
0.0000

■ 112.1729,
101.4280, 76.2810

■ 0.6930, 0.0608,
0.0000

■ 141.9248,
129.8399, 100.7192

■ 0.0000, 0.0000,
0.0000

176.5208,

163.1162, 129.8878

216.3263,
201.6414, 164.2056

■ 23.2876, 18.8826,
10.4000

■ 23.2876, 18.8826,
10.4000

■ 21.5031, 16.2330,
6.9708

■ 25.4493, 22.0241,
14.7646

■ 20.0716, 14.0470,
4.4068

■ 28.0075, 25.6780,
20.1258

■ 18.9685, 12.2980,
2.6293

■ 30.9817, 29.8672,
26.5407

■ 18.1645, 10.9550,
1.5448

■ 34.3898, 34.6123,
34.0618

■ 17.7137, 10.1716,
1.0297

■ 38.2486, 39.9327,
42.7381

■ 42.5740, 45.8471,
52.6157

■ 47.3810, 52.3731,
63.7381

■ 52.6841, 59.5278,
76.1466

■ 58.4971, 67.3273,
89.8806

Harmonies

Analogous

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



25.1607, 18.8826, 16.9348



23.2876, 18.8826, 10.4000



20.0669, 18.8826, 7.3779

Triad

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



23.2876, 18.8826, 10.4000



12.4086, 18.8826, 15.2507



19.3299, 18.8826, 44.9618

Complementary

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



23.2876, 18.8826, 10.4000



22.1537, 27.2275, 43.1173

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.



15.9826, 18.8826, 44.0722



23.2876, 18.8826, 10.4000



12.2640, 18.8826, 24.6687

Square

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



23.2876, 18.8826, 10.4000



13.9167, 18.8826, 9.5050



13.4931, 18.8826, 35.8146



22.6895, 18.8826, 37.9585

Rectangle

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



23.2876, 18.8826, 10.4000



17.7347, 18.8826, 6.9216



13.4931, 18.8826, 35.8146



18.1617, 18.8826, 45.6244

Sweetspot

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



23.2881, 18.8836, 10.4004



59.8428, 59.2587, 56.1418



25.7391, 17.0888, 31.8627



12.7391, 12.5078, 11.6137



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.



23.2881, 18.8836, 10.4004



38.4953, 28.6728, 11.6948



28.8923, 30.0921, 12.2684



8.1443, 8.2934, 8.3849



13.2168, 7.6391, 0.7779



0.4076, 0.2923, 0.0349

Inverse Universe

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



22.1537, 27.2275, 43.1173



36.1436, 45.3737, 77.6588



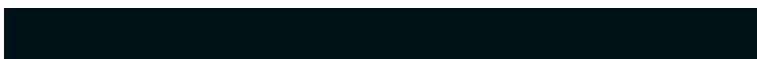
16.2362, 15.3925, 41.1448



8.0831, 8.7655, 10.2186



11.9037, 14.9413, 31.3011



0.3680, 0.4894, 0.8831

Previews

White Background



This preview shows how the XYZ color 23.2876, 18.8826, 10.4000 looks on a white background.

Color Contrast Check

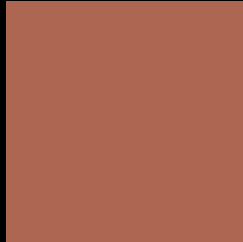
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2876, 18.8826, 10.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

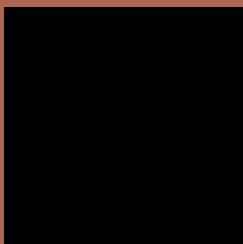
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2876, 18.8826, 10.4000

Background



This preview shows how black text looks on a background with the XYZ color 23.2876, 18.8826, 10.4000.



This preview shows how white text looks on a background with the XYZ color 23.2876, 18.8826,

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

23.2876, 18.8826, 10.4000

Protanopia

17.7361, 19.0801, 12.4209

Deuteranopia

19.2191, 18.8457, 10.0218



Tritanopia

24.5189, 18.9630, 16.0036

Trichromacy



Original Color

23.2876, 18.8826, 10.4000

Protanomaly

19.4147, 18.7425, 11.6112

Deuteranomaly

20.5415, 18.6996, 10.1161

Tritanomaly

23.9484, 18.8616, 13.6877

Monochromacy



Original Color

23.2876, 18.8826, 10.4000

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.4864, 18.6716, 16.4869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2876, 18.8826, 10.4000 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, 102, 82)` looks like.

```
.text, #text, p{  
    color:rgb(172, 102, 82)  
}
```

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, 102, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 102, 82) }
```

Border

The CSS property to change the border of an element to XYZ 23.2876, 18.8826, 10.4000 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, 102, 82) }
```


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

```
.border{ border-color:rgb(172, 102, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 102, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 102, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 102, 82);  
box-shadow:4px 4px 4px 4px rgb(172, 102,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2876, 18.8826, 10.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 102, 82) }
```

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

```
.background{ background-color: rgb(172,  
102, 82) }
```

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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