

Converting Colors

XYZ(23.0776, 23.7230, 4.3876)

Have a look what the booklet for
XYZ(23.0776, 23.7230, 4.3876)
contains.

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Color

**XYZ(23.0808, 23.7258,
4.4000)**

Conversions

Conversions Part 1

Format	Color
Hex	A2821B
RGB	162, 130, 27
RGB Percent	64%, 51%, 11%
CMY	0.3647, 0.4902, 0.8941
CMYK	0.00, 0.20, 0.83, 0.36
HSL	46°, 71%, 37%
HSV	46°, 83%, 64%
XYZ	23.0808, 23.7258, 4.4000
YIQ	127.8260, 52.1350, -25.2490

Conversions

Conversions Part 2

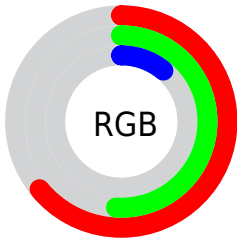
Format	Color
R_{YB}	69, 162, 27
Decimal	10650139
CIE _{Lab}	55.81, 2.41, 55.18
CIE _{LCh}	56, 55.234, 87.503
Yxy	23.7258, 0.4507, 0.4633
Android (android.graphics.Color)	4288840219 (0xFFA2821B)
YUV	127.8260, -49.7072, 29.9706
Hunter-Lab	48.7091, -0.6589, 28.7406

Details

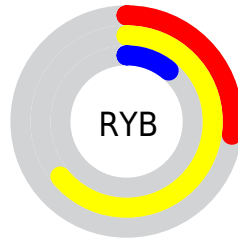
The XYZ color **23.0808, 23.7258, 4.4000** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.5377, 5.9697, 34.8845**, and the grayscale version is **20.6124, 21.6858, 23.6158**.

A 20% lighter version of the original color is **47.9339, 49.6767, 14.8468**, and **8.8863, 8.9490, 1.2590** is the 20% darker color. If you saturate the color by 10%, you get **22.4415, 22.6690, 3.5035**, and if you desaturate by 10%, it is **23.8436, 24.8644, 5.8479**.

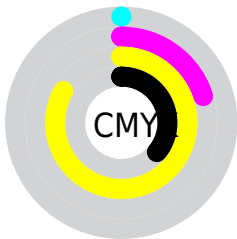
Distribution



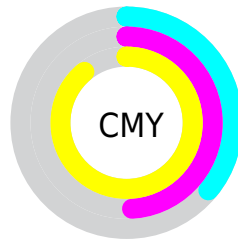
- Red (64%)
- Green (51%)
- Blue (11%)



- Red (27%)
- Yellow (64%)
- Blue (11%)



- Cyan (0%)
- Magenta (20%)
- Yellow (83%)
- Black (36%)



- Cyan (36%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0808, 23.7258, 4.4000 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 23.0808, 23.7258, 4.4000 by changing the saturation by 10% instead.

■ 23.0808, 23.7258,
4.4000

■ 23.0808, 23.7258,
4.4000

260.6673,
271.4313, 152.5727

■ 14.7742, 15.1303,
1.8472

■ 47.9916, 49.5824,
14.9223

■ 8.7464, 8.9109,
0.4589

■ 65.3266, 67.6123,
23.7288

■ 4.6319, 4.6831,
0.0000

■ 86.4017, 89.5558,
35.4571

■ 2.0655, 2.0626,
0.0000

■ 111.5824,
115.7973, 50.5256

■ 0.6703, 0.6434,
0.0000

■ 141.2339,
146.7212, 69.3529

■ 0.0000, 0.0000,
0.0000

■ 175.7217,

182.7119, 92.3574

215.4110,
224.1538, 119.9579

23.0808, 23.7258,
4.4000

23.0808, 23.7258,
4.4000

22.4415, 22.6690,
3.5035

23.8436, 24.8644,
5.8479

22.0583, 21.9976,
3.0834

24.7433, 26.0876,
7.9243

25.7932, 27.4021,
10.6954

27.0044, 28.8125,
14.2187

28.3867, 30.3231,
18.5455

■ 29.9494, 31.9379,
23.7229

■ 31.7007, 33.6606,
29.7941

■ 33.6485, 35.4945,
36.7993

■ 35.8002, 37.4429,
44.7765

Harmonies

Analogous

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



29.6782, 23.7258, 6.2691



23.0808, 23.7258, 4.4000



17.4227, 23.7258, 5.7010

Triad

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



23.0808, 23.7258, 4.4000



13.4483, 23.7258, 45.3138



34.3416, 23.7258, 49.2160

Complementary

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



23.0808, 23.7258, 4.4000



8.5377, 5.9697, 34.8845

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.



28.5974, 23.7258, 70.2346



23.0808, 23.7258, 4.4000



16.6667, 23.7258, 67.3406

Square

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



23.0808, 23.7258, 4.4000



12.5124, 23.7258, 24.3559



22.0287, 23.7258, 78.0551



36.8891, 23.7258, 27.3694

Rectangle

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



23.0808, 23.7258, 4.4000



14.7696, 23.7258, 8.8089



22.0287, 23.7258, 78.0551



32.6739, 23.7258, 56.9357

Sweetspot

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



23.0813, 23.7270, 4.4005



53.7344, 57.3363, 40.9165



16.1280, 8.7997, 5.2287



11.8523, 12.6554, 8.4693



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.0813, 23.7270, 4.4005



39.8807, 39.6053, 5.5426



22.0580, 30.5284, 5.7672



7.5065, 7.9514, 7.5192



17.4124, 17.3988, 2.4406



0.3986, 0.4311, 0.0622

Inverse Universe

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



8.5377, 5.9697, 34.8845



12.9871, 7.0310, 62.7287



8.8229, 4.3770, 34.5621



6.8304, 7.1199, 8.9173



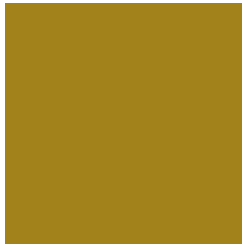
5.7228, 3.2251, 27.2507



0.1539, 0.1350, 0.5838

Previews

White Background



This preview shows how the XYZ color 23.0808, 23.7258, 4.4000 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 23.0808, 23.7258, 4.4000 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 23.0808, 23.7258, 4.4000

Background



This preview shows how black text looks on a background with the XYZ color 23.0808, 23.7258, 4.4000.



This preview shows how white text looks on a background with the XYZ color 23.0808, 23.7258,

4.4000.

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

23.0808, 23.7258, 4.4000

Protanopia

21.4972, 23.7133, 4.5427

Deuteranopia

24.1733, 23.7025, 4.4634



Tritanopia

27.2288, 23.7215, 24.2627

Trichromacy



Original Color

23.0808, 23.7258, 4.4000

Protanomaly

22.1147, 23.8275, 4.5322

Deuteranomaly

23.6547, 23.6292, 4.4128

Tritanomaly

24.9093, 23.3126, 13.5428

Monochromacy



Original Color

23.0808, 23.7258, 4.4000

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5538, 22.0313, 13.0667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0808, 23.7258, 4.4000 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(162, 130, 27)` looks like.

```
.text, #text, p{  
    color:rgb(162, 130, 27)  
}
```

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(162, 130, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 130, 27) }
```

Border

The CSS property to change the border of an element to XYZ 23.0808, 23.7258, 4.4000 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(162, 130, 27) }
```


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

```
.border{ border-color:rgb(162, 130, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 130, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 130, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 130, 27);  
box-shadow:4px 4px 4px 4px rgb(162, 130,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0808, 23.7258, 4.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 130, 27) }
```

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

```
.background{ background-color: rgb(162,  
130, 27) }
```

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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