

Converting Colors

XYZ(23.0810, 22.2784, 6.8740)

Have a look what the booklet for
XYZ(23.0810, 22.2784, 6.8740)
contains.

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Color

**XYZ(23.1066, 22.3440,
6.8363)**

Conversions

Conversions Part 1

Format	Color
Hex	A47B38
RGB	164, 123, 56
RGB Percent	64%, 48%, 22%
CMY	0.3569, 0.5176, 0.7804
CMYK	0.00, 0.25, 0.66, 0.36
HSL	37°, 49%, 43%
HSV	37°, 66%, 64%
XYZ	23.1066, 22.3440, 6.8363
YIQ	127.6210, 45.9430, -12.1450

Conversions

Conversions Part 2

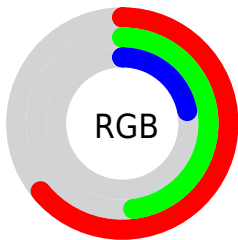
Format	Color
R_{YB}	122, 164, 56
Decimal	10779448
CIE _{Lab}	54.39, 8.65, 41.87
CIE _{LCh}	54, 42.756, 78.324
Yxy	22.3440, 0.4419, 0.4273
Android (android.graphics.Color)	4288969528 (0xFFA47B38)
YUV	127.6210, -35.3092, 31.9044
Hunter-Lab	47.2694, 4.5342, 24.5138

Details

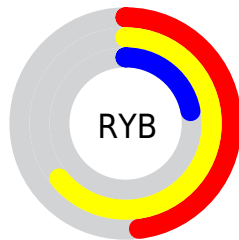
The XYZ color **23.1066, 22.3440, 6.8363** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.6061, 12.0698, 36.7870**, and the grayscale version is **20.4943, 21.5616, 23.4805**.

A 20% lighter version of the original color is **48.0557, 47.2301, 20.2192**, and **8.7774, 8.1575, 1.2268** is the 20% darker color. If you saturate the color by 10%, you get **22.0216, 20.7142, 4.8097**, and if you desaturate by 10%, it is **24.3732, 24.1268, 9.5721**.

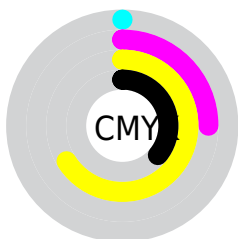
Distribution



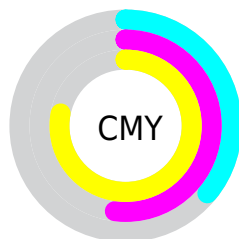
- Red (64%)
- Green (48%)
- Blue (22%)



- Red (48%)
- Yellow (64%)
- Blue (22%)



- Cyan (0%)
- Magenta (25%)
- Yellow (66%)
- Black (36%)





- Cyan (36%)
- Magenta (52%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1066, 22.3440, 6.8363 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 23.1066, 22.3440, 6.8363 by changing the saturation by 10% instead.


 23.1066, 22.3440,
6.8363


 23.1066, 22.3440,
6.8363


260.7972,
264.3375, 175.8755


 14.7934, 14.1099,
3.2830


 48.0337, 47.3139,
20.1504


 8.7599, 8.1971,
1.2409


 65.3782, 64.8185,
30.7482


 4.6407, 4.2213,
0.0126

 86.4639, 86.1820,
44.5314

 2.0706, 1.7981,
0.0000

 111.6561,
111.7888, 61.9184

 0.6732, 0.4860,
0.0000

 141.3202,
142.0234, 83.3278

 0.0000, 0.0000,
0.0000

 175.8215,

177.2701, 109.1780

215.5254,
217.9134, 139.8878

■ 23.1066, 22.3440,
6.8363

■ 23.1066, 22.3440,
6.8363

■ 22.0216, 20.7142,
4.8097

■ 24.3732, 24.1268,
9.5721

■ 21.1023, 19.2270,
3.4202

■ 25.8322, 26.0656,
13.0772

■ 20.3305, 17.8744,
2.5739

■ 27.4954, 28.1676,
17.4066

■ 20.0363, 17.3456,
2.2920

■ 29.3730, 30.4379,
22.6101

■ 31.4745, 32.8819,
28.7332

■ 33.8086, 35.5042,
35.8184

■ 36.3836, 38.3094,
43.9056

■ 39.2074, 41.3019,
53.0322

■ 42.2874, 44.4859,
63.2340

Harmonies

Analogous

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



27.7840, 22.3440, 9.7336



23.1066, 22.3440, 6.8363



18.5378, 22.3440, 7.1728

Triad

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



23.1066, 22.3440, 6.8363



13.8036, 22.3440, 33.3413



28.6740, 22.3440, 45.7437

Complementary

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



23.1066, 22.3440, 6.8363



12.6061, 12.0698, 36.7870

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.



24.1869, 22.3440, 57.8117



23.1066, 22.3440, 6.8363



15.8094, 22.3440, 49.0316

Square

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



23.1066, 22.3440, 6.8363



13.6023, 22.3440, 19.4873



19.4716, 22.3440, 59.1970



31.2991, 22.3440, 29.9124

Rectangle

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



23.1066, 22.3440, 6.8363



16.1421, 22.3440, 9.2181



19.4716, 22.3440, 59.1970



27.3055, 22.3440, 50.5903

Sweetspot

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



23.1071, 22.3451, 6.8367



55.3551, 57.6403, 46.9164



18.9004, 11.5915, 12.6487



11.8820, 12.3450, 9.6192



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.



23.1071, 22.3451, 6.8367



39.1644, 36.3177, 7.4266



26.8260, 33.4539, 8.7849



7.4225, 7.7833, 7.4912



15.4099, 13.3938, 1.7731



0.3672, 0.3682, 0.0517

Inverse Universe

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



12.6061, 12.0698, 36.7870



18.7362, 16.4060, 65.9315



10.5411, 6.7595, 35.8708



6.9105, 7.2801, 8.9440



6.5123, 4.8040, 27.5138



0.1815, 0.1903, 0.5930

Previews

White Background



This preview shows how the XYZ color 23.1066, 22.3440, 6.8363 looks on a white background.

Color Contrast Check

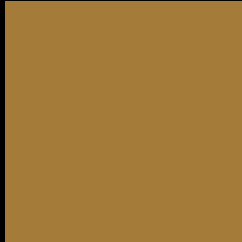
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1066, 22.3440, 6.8363 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 23.1066, 22.3440, 6.8363

Background



This preview shows how black text looks on a background with the XYZ color 23.1066, 22.3440, 6.8363.



This preview shows how white text looks on a background with the XYZ color 23.1066, 22.3440,

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

23.1066, 22.3440, 6.8363

Protanopia

20.5571, 22.5578, 7.2736

Deuteranopia

22.8218, 22.3822, 6.8587



Tritanopia

26.2457, 22.3810, 22.0055

Trichromacy



Original Color

23.1066, 22.3440, 6.8363

Protanomaly

21.4066, 22.4092, 7.0680

Deuteranomaly

23.0257, 22.4874, 6.8683

Tritanomaly

24.7853, 22.3100, 14.8043

Monochromacy



Original Color

23.1066, 22.3440, 6.8363

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8436, 21.5437, 15.6302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1066, 22.3440, 6.8363 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(164, 123, 56)` looks like.

```
.text, #text, p{  
    color:rgb(164, 123, 56)  
}
```

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(164, 123, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 123, 56) }
```

Border

The CSS property to change the border of an element to XYZ 23.1066, 22.3440, 6.8363 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(164, 123, 56) }
```


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

```
.border{ border-color:rgb(164, 123, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 123, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 123, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 123, 56);  
box-shadow:4px 4px 4px 4px rgb(164, 123,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1066, 22.3440, 6.8363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 123, 56) }
```

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

```
.background{ background-color: rgb(164,  
123, 56) }
```

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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