

Converting Colors

XYZ(23.5473, 23.4823, 12.8477)

Have a look what the booklet for
XYZ(23.5473, 23.4823, 12.8477)
contains.

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Color

**XYZ(23.4270, 23.3277,
12.7192)**

Conversions

Conversions Part 1

Format	Color
Hex	9D8059
RGB	157, 128, 89
RGB Percent	62%, 50%, 35%
CMY	0.3843, 0.4980, 0.6510
CMYK	0.00, 0.18, 0.43, 0.38
HSL	34°, 28%, 48%
HSV	34°, 43%, 62%
XYZ	23.4270, 23.3277, 12.7192
YIQ	132.2250, 29.8030, -5.9810

Conversions

Conversions Part 2

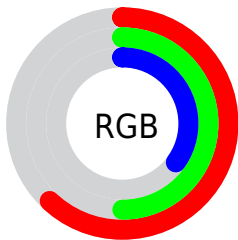
Format	Color
R_{YB}	140, 157, 89
Decimal	10322009
CIE _{Lab}	55.41, 5.70, 25.35
CIE _{LCh}	55, 25.983, 77.328
Yxy	23.3277, 0.3939, 0.3922
Android (android.graphics.Color)	4288512089 (0xFF9D8059)
YUV	132.2250, -21.3099, 21.7277
Hunter-Lab	48.2988, 2.0574, 18.1955

Details

The XYZ color **23.4270, 23.3277, 12.7192** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.6839, 17.5145, 34.3996**, and the grayscale version is **22.0809, 23.2308, 25.2983**.

A 20% lighter version of the original color is **48.6246, 49.0580, 31.3324**, and **8.9409, 8.7094, 3.4954** is the 20% darker color. If you saturate the color by 10%, you get **21.9923, 21.4032, 9.3280**, and if you desaturate by 10%, it is **25.0611, 25.4259, 16.8711**.

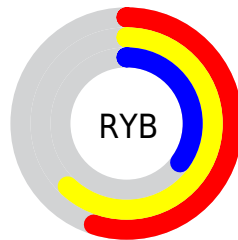
Distribution



Red (62%)

Green (50%)

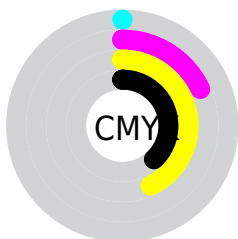
Blue (35%)



Red (55%)

Yellow (62%)

Blue (35%)

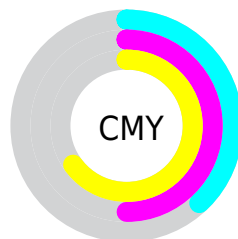


Cyan (0%)

Magenta (18%)

Yellow (43%)

Black (38%)



Cyan (38%)

Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4270, 23.3277, 12.7192 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 23.4270, 23.3277, 12.7192 by changing the saturation by 10% instead.

■ 23.4270, 23.3277,
12.7192

■ 23.4270, 23.3277,
12.7192

262.4052,
269.4037, 220.2544

■ 15.0315, 14.8357,
7.1070

■ 48.5550, 48.9309,
31.4821

■ 8.9280, 8.7041,
3.4497

■ 66.0183, 66.8108,
45.4700

■ 4.7510, 4.5487,
1.3286

■ 87.2349, 88.5887,
63.0868

■ 2.1351, 1.9850,
0.0850

■ 112.5702,
114.6492, 84.7511

■ 0.7082, 0.5987,
0.0000

■ 142.3895,
145.3765, 110.8815

■ 0.0000, 0.0000,
0.0000

177.0582,

181.1551, 141.8965

216.9417,
222.3694, 178.2146

■ 23.4270, 23.3277,
12.7192

■ 23.4270, 23.3277,
12.7192

■ 21.9923, 21.4032,
9.3280

■ 25.0611, 25.4259,
16.8711

■ 20.7451, 19.6433,
6.6482

■ 26.9023, 27.7000,
21.8261

■ 19.6749, 18.0427,
4.6269

■ 28.9596, 30.1562,
27.6248

■ 18.7689, 16.5947,
3.2030

■ 31.2412, 32.7992,
34.3049

■ 18.0122, 15.2911,
2.3038

■ 33.7548, 35.6339,
41.9018

■ 17.5652, 14.4892,
1.8709

■ 36.5075, 38.6646,
50.4487

■ 39.5063, 41.8956,
59.9774

■ 42.7577, 45.3310,
70.5181

■ 46.2682, 48.9748,
82.0996

Harmonies

Analogous

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



26.2001, 23.3277, 15.3160



23.4270, 23.3277, 12.7192



20.5416, 23.3277, 12.9336

Triad

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



23.4270, 23.3277, 12.7192



17.2324, 23.3277, 30.4969



26.5623, 23.3277, 37.9332

Complementary

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



23.4270, 23.3277, 12.7192



16.6839, 17.5145, 34.3996

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.



23.8871, 23.3277, 44.0516



23.4270, 23.3277, 12.7192



18.5800, 23.3277, 39.1530

Square

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



23.4270, 23.3277, 12.7192



17.1328, 23.3277, 22.0330



20.9632, 23.3277, 44.5415



28.1141, 23.3277, 29.0934

Rectangle

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



23.4270, 23.3277, 12.7192



18.9387, 23.3277, 14.6384



20.9632, 23.3277, 44.5415



25.7544, 23.3277, 40.4532

Sweetspot

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



23.4276, 23.3288, 12.7197



51.8874, 54.0345, 49.5412



20.7750, 15.6323, 19.2079



11.2422, 11.6833, 10.3992



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.4276, 23.3288, 12.7197



39.4605, 38.4333, 16.8741



26.8967, 31.5558, 14.1248



6.9330, 7.2460, 7.0189



14.3034, 11.8424, 1.5319



0.2972, 0.2946, 0.0412

Inverse Universe

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



16.6839, 17.5145, 34.3996



25.7732, 26.6433, 60.9110



14.2268, 11.9345, 33.4521



6.5056, 6.8770, 8.3912



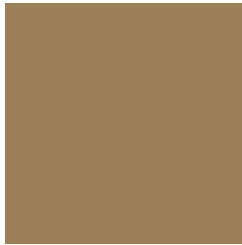
6.6058, 5.3032, 26.5827



0.1592, 0.1770, 0.4890

Previews

White Background



This preview shows how the XYZ color 23.4270, 23.3277, 12.7192 looks on a white background.

Color Contrast Check

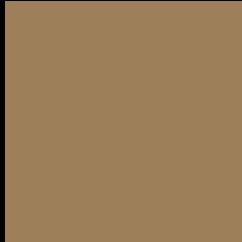
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4270, 23.3277, 12.7192 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 23.4270, 23.3277, 12.7192

Background



This preview shows how black text looks on a background with the XYZ color 23.4270, 23.3277, 12.7192.



This preview shows how white text looks on a background with the XYZ color 23.4270, 23.3277,

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

23.4270, 23.3277, 12.7192

Protanopia

21.7775, 23.4597, 13.2779

Deuteranopia

23.6906, 23.2709, 12.6943



Tritanopia

25.9458, 23.4089, 24.9807

Trichromacy



Original Color

23.4270, 23.3277, 12.7192

Protanomaly

22.3562, 23.3603, 13.0036

Deuteranomaly

23.4931, 23.1691, 12.6851

Tritanomaly

24.9832, 23.4018, 19.7232

Monochromacy



Original Color

23.4270, 23.3277, 12.7192

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.2532, 23.1563, 19.8197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4270, 23.3277, 12.7192 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(157, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(157, 128, 89)  
}
```

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(157, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 128, 89) }
```

Border

The CSS property to change the border of an element to XYZ 23.4270, 23.3277, 12.7192 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(157, 128, 89) }
```


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

```
.border{ border-color:rgb(157, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(157, 128,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4270, 23.3277, 12.7192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 128, 89) }
```

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

```
.background{ background-color: rgb(157,  
128, 89) }
```

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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