

Converting Colors

XYZ(23.2369, 23.3866, 12.6670)

Have a look what the booklet for
XYZ(23.2369, 23.3866, 12.6670)
contains.

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Color

**XYZ(23.3637, 23.4897,
12.7538)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8159
RGB	156, 129, 89
RGB Percent	61%, 51%, 35%
CMY	0.3882, 0.4941, 0.6510
CMYK	0.00, 0.17, 0.43, 0.39
HSL	36°, 27%, 48%
HSV	36°, 43%, 61%
XYZ	23.3637, 23.4897, 12.7538
YIQ	132.5130, 28.9320, -6.7160

Conversions

Conversions Part 2

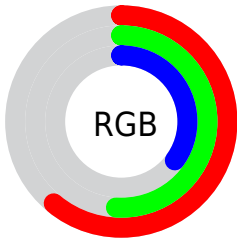
Format	Color
RYB	134, 156, 89
Decimal	10256729
CIELab	55.57, 4.71, 25.55
CIELCh	56, 25.975, 79.561
Yxy	23.4897, 0.3920, 0.3941
Android (android.graphics.Color)	4288446809 (0xFF9C8159)
YUV	132.5130, -21.4519, 20.5981
Hunter-Lab	48.4662, 1.2323, 18.3242

Details

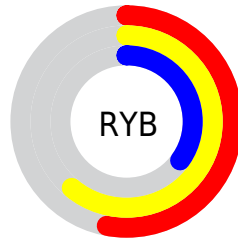
The XYZ color **23.3637, 23.4897, 12.7538** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.3657, 17.0143, 33.8739**, and the grayscale version is **22.1859, 23.3413, 25.4187**.

A 20% lighter version of the original color is **48.5395, 49.3170, 31.3869**, and **8.8801, 8.7881, 3.4187** is the 20% darker color. If you saturate the color by 10%, you get **21.9743, 21.6505, 9.3941**, and if you desaturate by 10%, it is **24.9441, 25.4886, 16.8626**.

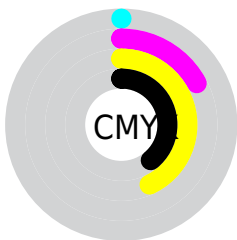
Distribution



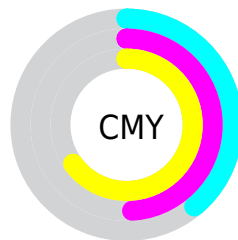
- Red (61%)
- Green (51%)
- Blue (35%)



- Red (53%)
- Yellow (61%)
- Blue (35%)



- Cyan (0%)
- Magenta (17%)
- Yellow (43%)
- Black (39%)



- Cyan (39%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3637, 23.4897, 12.7538 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 23.3637, 23.4897, 12.7538 by changing the saturation by 10% instead.

■ 23.3637, 23.4897,
12.7538

■ 23.3637, 23.4897,
12.7538

262.0882,
270.2303, 220.4859

■ 14.9845, 14.9555,
7.1305

■ 48.4521, 49.1962,
31.5454

■ 8.8947, 8.7882,
3.4642

■ 65.8920, 67.1372,
45.5509

■ 4.7291, 4.6033,
1.3363

■ 87.0828, 88.9827,
63.1874

■ 2.1223, 2.0164,
0.0912

■ 112.3899,
115.1171, 84.8736

■ 0.7013, 0.6170,
0.0000

■ 142.1786,
145.9246, 111.0280

■ 0.0000, 0.0000,
0.0000

176.8143,

181.7897, 142.0692

216.6624,
223.0968, 178.4156

■ 23.3637, 23.4897,
12.7538

■ 23.3637, 23.4897,
12.7538

■ 21.9743, 21.6505,
9.3941

■ 24.9441, 25.4886,
16.8626

■ 20.7643, 19.9622,
6.7353

■ 26.7226, 27.6488,
21.7618

■ 19.7236, 18.4202,
4.7254

■ 28.7082, 29.9761,
27.4915

■ 18.8399, 17.0180,
3.3047

■ 30.9087, 32.4750,
34.0886

■ 18.0988, 15.7483,
2.4025

■ 33.3313, 35.1498,
41.5877

■ 17.6371, 14.9217,
1.9506

■ 35.9832, 38.0045,
50.0216

■ 38.8708, 41.0430,
59.4213

■ 42.0007, 44.2692,
69.8165

■ 45.3787, 47.6866,
81.2355

Harmonies

Analogous

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



26.1876, 23.4897, 15.1479



23.3637, 23.4897, 12.7538



20.4908, 23.4897, 13.1765

Triad

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



23.3637, 23.4897, 12.7538



17.4227, 23.4897, 31.3740



26.8994, 23.4897, 37.5478

Complementary

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



23.3637, 23.4897, 12.7538



16.3657, 17.0143, 33.8739

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.



24.2682, 23.4897, 44.0133



23.3637, 23.4897, 12.7538



18.8644, 23.4897, 39.9433

Square

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



23.3637, 23.4897, 12.7538



17.2267, 23.4897, 22.7602



21.3200, 23.4897, 44.9750



28.3443, 23.4897, 28.6156

Rectangle

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



23.3637, 23.4897, 12.7538



18.9236, 23.4897, 15.0361



21.3200, 23.4897, 44.9750



26.1141, 23.4897, 40.1577

Sweetspot

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



23.3643, 23.4908, 12.7543



52.0251, 54.3099, 49.5871



20.4888, 15.4953, 18.7152



11.2769, 11.7526, 10.4108



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.



23.3643, 23.4908, 12.7543



39.8926, 39.2975, 17.0181



26.3461, 31.0217, 14.0507



6.9457, 7.2715, 7.0231



14.5622, 12.3601, 1.6182



0.3011, 0.3024, 0.0425

Inverse Universe

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



16.3657, 17.0143, 33.8739



25.4027, 25.9023, 60.7875



14.2495, 11.9560, 33.0090



6.4932, 6.8521, 8.3870



6.4327, 4.9569, 26.5250



0.1553, 0.1692, 0.4877

Previews

White Background



This preview shows how the XYZ color 23.3637, 23.4897, 12.7538 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 23.3637, 23.4897, 12.7538 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 23.3637, 23.4897, 12.7538

Background



This preview shows how black text looks on a background with the XYZ color 23.3637, 23.4897, 12.7538.



This preview shows how white text looks on a background with the XYZ color 23.3637, 23.4897,

12.7538.

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

23.3637, 23.4897, 12.7538

Protanopia

21.7775, 23.4597, 13.2779

Deuteranopia

23.8897, 23.3736, 12.7036



Tritanopia

25.8138, 23.3330, 25.3335

Trichromacy



Original Color

23.3637, 23.4897, 12.7538

Protanomaly

22.3095, 23.5366, 13.0400

Deuteranomaly

23.8204, 23.5305, 12.7376

Tritanomaly

24.8426, 23.3225, 20.0220

Monochromacy



Original Color

23.3637, 23.4897, 12.7538

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4467, 23.4496, 20.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3637, 23.4897, 12.7538 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(156, 129, 89)` looks like.

```
.text, #text, p{  
    color:rgb(156, 129, 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(156, 129, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 129, 89) }
```

Border

The CSS property to change the border of an element to XYZ 23.3637, 23.4897, 12.7538 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(156, 129, 89) }
```


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

```
.border{ border-color:rgb(156, 129, 89) }
```

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

Here you see how a box with a 4 pixel rgb(156, 129, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 129, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 129, 89);  
box-shadow:4px 4px 4px 4px rgb(156, 129,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3637, 23.4897, 12.7538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 129, 89) }
```

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

```
.background{ background-color: rgb(156,  
129, 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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