

Converting Colors

XYZ(24.0608, 24.0545, 3.3748)

Have a look what the booklet for
XYZ(24.0608, 24.0545, 3.3748)
contains.

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Color

**XYZ(23.9987, 24.0253,
3.3725)**

Conversions

Conversions Part 1

Format	Color
Hex	A88100
RGB	168, 129, 0
RGB Percent	66%, 51%, 0%
CMY	0.3412, 0.4941, 1.0000
CMYK	0.00, 0.23, 1.00, 0.34
HSL	46°, 100%, 33%
HSV	46°, 100%, 66%
XYZ	23.9987, 24.0253, 3.3725
YIQ	125.9550, 64.6530, -31.8510

Conversions

Conversions Part 2

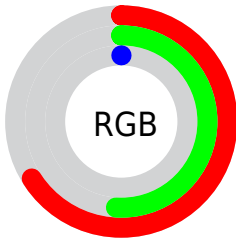
Format	Color
R_{YB}	51, 168, 0
Decimal	11043072
CIE Lab	56.11, 5.19, 61.52
CIE LCh	56, 61.742, 85.177
Yxy	24.0253, 0.4669, 0.4675
Android (android.graphics.Color)	4289233152 (0xFFA88100)
YUV	125.9550, -62.0958, 36.8735
Hunter-Lab	49.0156, 1.6187, 30.2315

Details

The XYZ color **23.9987, 24.0253, 3.3725** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.7936, 4.2786, 37.4606**, and the grayscale version is **20.0059, 21.0478, 22.9211**.

A 20% lighter version of the original color is **49.4499, 50.2041, 12.5529**, and **9.4242, 9.1168, 1.2630** is the 20% darker color. If you saturate the color by 10%, you get **23.9989, 24.0259, 3.3726**, and if you desaturate by 10%, it is **24.6224, 25.1135, 4.0722**.

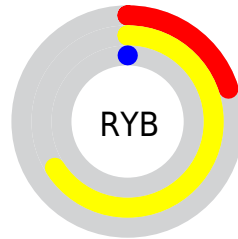
Distribution



Red (66%)

Green (51%)

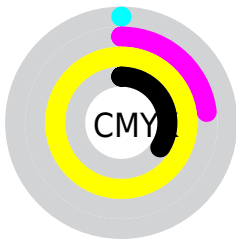
Blue (0%)



Red (20%)

Yellow (66%)

Blue (0%)

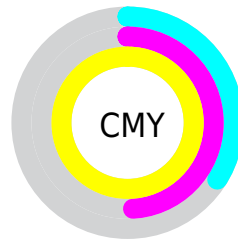


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9987, 24.0253, 3.3725 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 23.9987, 24.0253, 3.3725 by changing the saturation by 10% instead.

■ 23.9987, 24.0253,
3.3725

■ 23.9987, 24.0253,
3.3725

265.2545,
272.9484, 140.9721

■ 15.4574, 15.3524,
1.2878

■ 49.4828, 50.0715,
12.5345

■ 9.2294, 9.0671,
0.0518

■ 67.1562, 68.2135,
20.4490

■ 4.9494, 4.7850,
0.0000

■ 88.6045, 90.2808,
31.1438

■ 2.2521, 2.1216,
0.0000

■ 114.1928,
116.6576, 45.0375

■ 0.7700, 0.6768,
0.0000

■ 144.2866,
147.7283, 62.5487

■ 0.0000, 0.0000,
0.0000

■ 179.2513,

183.8775, 84.0958

219.4521,
225.4893, 110.0974

23.9987, 24.0253,
3.3725

23.9987, 24.0253,
3.3725

23.9989, 24.0259,
3.3726

24.6224, 25.1135,
4.0722

25.3493, 26.2737,
5.2193

26.2142, 27.5211,
6.9946

27.2327, 28.8623,
9.4789

28.4179, 30.3030,
12.7408

■ 29.7817, 31.8481,
16.8407

■ 31.3345, 33.5021,
21.8332

■ 33.0859, 35.2693,
27.7681

■ 35.0450, 37.1534,
34.6916

Harmonies

Analogous

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



31.5206, 24.0253, 5.4369



23.9987, 24.0253, 3.3725



17.5219, 24.0253, 4.3663

Triad

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



23.9987, 24.0253, 3.3725



12.6016, 24.0253, 46.4872



35.9266, 24.0253, 55.3211

Complementary

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



23.9987, 24.0253, 3.3725



7.7936, 4.2786, 37.4606

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.



29.1271, 24.0253, 79.6529



23.9987, 24.0253, 3.3725



15.9128, 24.0253, 72.9655

Square

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



23.9987, 24.0253, 3.3725



11.7827, 24.0253, 23.0176



21.7102, 24.0253, 87.3777



39.2556, 24.0253, 29.5750

Rectangle

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



23.9987, 24.0253, 3.3725



14.4796, 24.0253, 7.1823



21.7102, 24.0253, 87.3777



33.9107, 24.0253, 64.3697

Sweetspot

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



23.9992, 24.0265, 3.3730



56.6954, 60.6227, 39.0715



16.5181, 8.4728, 2.7023



12.1020, 12.9451, 7.6843



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.9992, 24.0265, 3.3730



43.3793, 43.2578, 6.0633



22.1999, 32.2310, 5.0514



7.9971, 8.4742, 8.0035



18.1634, 18.2241, 2.5603



0.4771, 0.5137, 0.0740

Inverse Universe

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



7.7936, 4.2786, 37.4606



14.0054, 7.4897, 67.9326



8.1417, 3.3809, 37.2690



7.2679, 7.5727, 9.4970



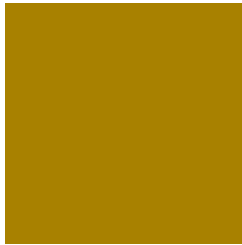
5.9189, 3.2981, 28.3001



0.1813, 0.1547, 0.7010

Previews

White Background



This preview shows how the XYZ color 23.9987, 24.0253, 3.3725 looks on a white background.

Color Contrast Check

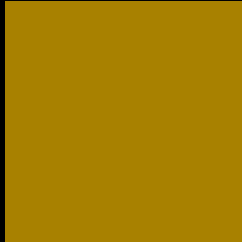
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9987, 24.0253, 3.3725 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 23.9987, 24.0253, 3.3725

Background



This preview shows how black text looks on a background with the XYZ color 23.9987, 24.0253, 3.3725.



This preview shows how white text looks on a background with the XYZ color 23.9987, 24.0253,

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

23.9987, 24.0253, 3.3725

Protanopia

21.6622, 24.0231, 3.7536

Deuteranopia

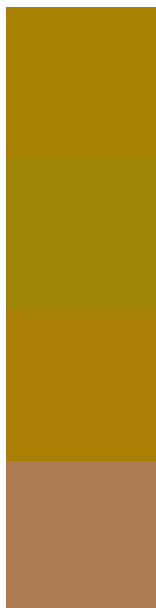
24.5521, 24.1116, 3.5610



Tritanopia

28.1345, 24.0166, 23.9217

Trichromacy



Original Color

23.9987, 24.0253, 3.3725

Protanomaly

22.5210, 24.0573, 3.6288

Deuteranomaly

24.3186, 23.9932, 3.4643

Tritanomaly

25.6192, 23.5458, 11.1772

Monochromacy



Original Color

23.9987, 24.0253, 3.3725

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0218, 21.4207, 10.6688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9987, 24.0253, 3.3725 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(168, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 0)  
}
```

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(168, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.9987, 24.0253, 3.3725 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(168, 129, 0) }
```


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

```
.border{ border-color:rgb(168, 129, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9987, 24.0253, 3.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 0) }
```

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

```
.background{ background-color: rgb(168,  
129, 0) }
```

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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