

Converting Colors

XYZ(24.2057, 23.8290, 3.3237)

Have a look what the booklet for
XYZ(24.2057, 23.8290, 3.3237)
contains.

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Color

**XYZ(24.1669, 23.7248,
3.3056)**

Conversions

Conversions Part 1

Format	Color
Hex	AA7F00
RGB	170, 127, 0
RGB Percent	67%, 50%, 0%
CMY	0.3333, 0.5019, 1.0000
CMYK	0.00, 0.25, 1.00, 0.33
HSL	45°, 100%, 33%
HSV	45°, 100%, 67%
XYZ	24.1669, 23.7248, 3.3056
YIQ	125.3790, 66.3950, -30.3810

Conversions

Conversions Part 2

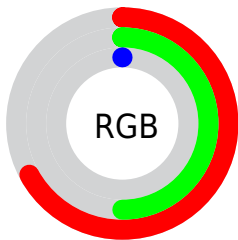
Format	Color
RYB	58, 170, 0
Decimal	11173632
CIELab	55.81, 7.23, 61.42
CIELCh	56, 61.845, 83.287
Yxy	23.7248, 0.4720, 0.4634
Android (android.graphics.Color)	4289363712 (0xFFAA7F00)
YUV	125.3790, -61.8118, 39.1326
Hunter-Lab	48.7081, 3.3249, 30.0719

Details

The XYZ color **24.1669, 23.7248, 3.3056** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.1197, 4.6302, 38.4956**, and the grayscale version is **19.8084, 20.8399, 22.6947**.

A 20% lighter version of the original color is **49.7966, 49.4805, 12.3950**, and **9.5344, 8.9595, 1.2268** is the 20% darker color. If you saturate the color by 10%, you get **24.1671, 23.7254, 3.3057**, and if you desaturate by 10%, it is **24.8359, 24.9010, 4.0280**.

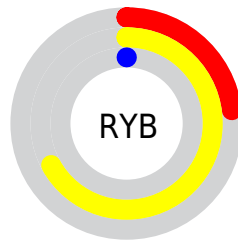
Distribution



Red (67%)

Green (50%)

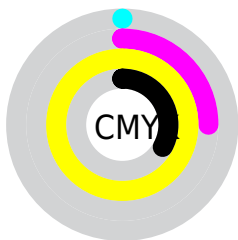
Blue (0%)



Red (23%)

Yellow (67%)

Blue (0%)

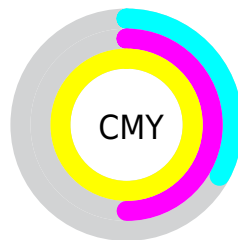


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1669, 23.7248, 3.3056 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 24.1669, 23.7248, 3.3056 by changing the saturation by 10% instead.

■ 24.1669, 23.7248,
3.3056

■ 24.1669, 23.7248,
3.3056

266.0880,
271.4262, 140.1625

■ 15.5829, 15.1296,
1.2527

■ 49.7551, 49.5807,
12.3736

■ 9.3184, 8.9104,
0.0226

■ 67.4900, 67.6103,
20.2259

■ 5.0082, 4.6828,
0.0000

■ 89.0059, 89.5534,
30.8483

■ 2.2869, 2.0624,
0.0000

■ 114.6682,
115.7944, 44.6595

■ 0.7880, 0.6433,
0.0000

■ 144.8422,
146.7179, 62.0780

■ 0.0000, 0.0000,
0.0000

■ 179.8933,

182.7080, 83.5223

220.1868,
224.1493, 109.4109

24.1669, 23.7248,
3.3056

24.1669, 23.7248,
3.3056

24.1671, 23.7254,
3.3057

24.8359, 24.9010,
4.0280

25.6147, 26.1585,
5.2131

26.5391, 27.5131,
7.0447

27.6251, 28.9716,
9.6062

28.8864, 30.5399,
12.9683

■ 30.3350, 32.2234,
17.1933

■ 31.9819, 34.0266,
22.3374

■ 33.8371, 35.9542,
28.4519

■ 35.9098, 38.0102,
35.5844

Harmonies

Analogous

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



31.6334, 23.7248, 5.5680



24.1669, 23.7248, 3.3056



17.6171, 23.7248, 4.0946

Triad

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



24.1669, 23.7248, 3.3056



12.2735, 23.7248, 44.3567



35.2131, 23.7248, 56.5712

Complementary

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



24.1669, 23.7248, 3.3056



8.1197, 4.6302, 38.4956

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.



28.3264, 23.7248, 80.1974



24.1669, 23.7248, 3.3056



15.3962, 23.7248, 70.9479

Square

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



24.1669, 23.7248, 3.3056



11.6135, 23.7248, 21.5663



21.0063, 23.7248, 86.5020



38.8133, 23.7248, 30.6266

Rectangle

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



24.1669, 23.7248, 3.3056



14.4938, 23.7248, 6.6581



21.0063, 23.7248, 86.5020



33.1449, 23.7248, 65.4977

Sweetspot

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



24.1674, 23.7260, 3.3061



57.8548, 61.5531, 39.9721



17.0577, 8.7382, 3.3046



12.6208, 13.4229, 8.0238



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.1674, 23.7260, 3.3061



43.6672, 42.6837, 5.9373



23.6319, 33.5215, 5.2250



7.9838, 8.4477, 7.9991



17.8239, 17.5451, 2.4471



0.4709, 0.5014, 0.0720

Inverse Universe

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



8.1197, 4.6302, 38.4956



14.5843, 8.1050, 69.7976



8.1181, 3.3470, 38.2479



7.2803, 7.5975, 9.5011



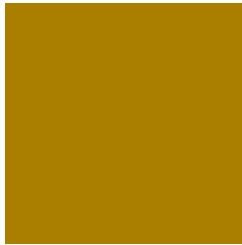
6.0117, 3.4836, 28.3310



0.1859, 0.1639, 0.7025

Previews

White Background



This preview shows how the XYZ color 24.1669, 23.7248, 3.3056 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 24.1669, 23.7248, 3.3056 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 24.1669, 23.7248, 3.3056

Background



This preview shows how black text looks on a background with the XYZ color 24.1669, 23.7248, 3.3056.



This preview shows how white text looks on a background with the XYZ color 24.1669, 23.7248,

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

24.1669, 23.7248, 3.3056

Protanopia

21.3369, 23.6492, 3.6986

Deuteranopia

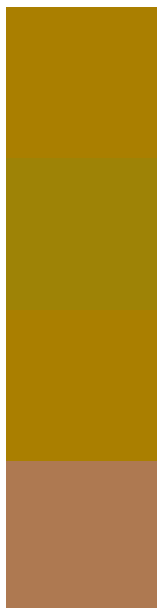
24.1669, 23.7248, 3.3056



Tritanopia

28.2137, 23.7193, 23.1699

Trichromacy



Original Color

24.1669, 23.7248, 3.3056

Protanomaly

22.2497, 23.5148, 3.5384

Deuteranomaly

24.1669, 23.7248, 3.3056

Tritanomaly

25.7781, 23.2675, 10.9170

Monochromacy



Original Color

24.1669, 23.7248, 3.3056

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8933, 21.1636, 10.6259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1669, 23.7248, 3.3056 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(170, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 127, 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(170, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.1669, 23.7248, 3.3056 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(170, 127, 0) }
```


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

```
.border{ border-color:rgb(170, 127, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1669, 23.7248, 3.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 127, 0) }
```

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

```
.background{ background-color: rgb(170,  
127, 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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