

Converting Colors

XYZ(24.9931, 21.6802, 2.8674)

Have a look what the booklet for
XYZ(24.9931, 21.6802, 2.8674)
contains.

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Color

**XYZ(24.9612, 21.6340,
2.8602)**

Conversions

Conversions Part 1

Format	Color
Hex	B57100
RGB	181, 113, 0
RGB Percent	71%, 44%, 0%
CMY	0.2902, 0.5568, 1.0000
CMYK	0.00, 0.38, 1.00, 0.29
HSL	37°, 100%, 35%
HSV	37°, 100%, 71%
XYZ	24.9612, 21.6340, 2.8602
YIQ	120.4500, 76.8010, -20.7270

Conversions

Conversions Part 2

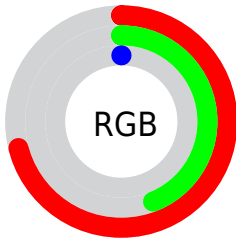
Format	Color
RYB	109, 181, 0
Decimal	11890944
CIELab	53.64, 20.04, 60.61
CIELCh	54, 63.836, 71.707
Yxy	21.6340, 0.5047, 0.4374
Android (android.graphics.Color)	4290081024 (0xFFB57100)
YUV	120.4500, -59.3819, 53.1023
Hunter-Lab	46.5124, 14.3967, 28.9127

Details

The XYZ color **24.9612, 21.6340, 2.8602** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.4078, 7.4707, 44.6092**, and the grayscale version is **18.1652, 19.1113, 20.8122**.

A 20% lighter version of the original color is **51.0272, 46.1692, 11.2231**, and **9.9163, 7.9182, 1.0057** is the 20% darker color. If you saturate the color by 10%, you get **24.9613, 21.6345, 2.8603**, and if you desaturate by 10%, it is **25.8590, 23.2538, 3.7024**.

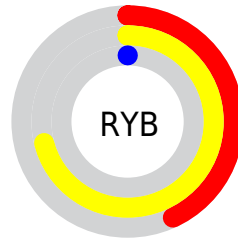
Distribution



Red (71%)

Green (44%)

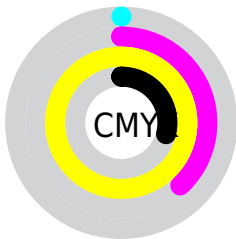
Blue (0%)



Red (43%)

Yellow (71%)

Blue (0%)

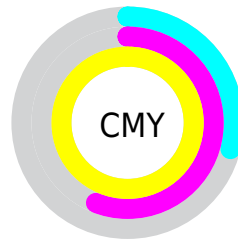


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9612, 21.6340, 2.8602 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 24.9612, 21.6340, 2.8602 by changing the saturation by 10% instead.


 24.9612, 21.6340,
2.8602


 24.9612, 21.6340,
2.8602


269.9959,
260.6289, 134.5597


 16.1767, 13.5882,
1.0237


 51.0376, 46.1403,
11.2815


 9.7409, 7.8348,
0.0000


 69.0603, 63.3697,
18.7033

 5.2885, 3.9894,
0.0000

 90.8930, 84.4290,
28.8241

 2.4540, 1.6677,
0.0000

 116.9013,
109.7027, 42.0622

 0.8721, 0.4026,
0.0000

 147.4503,
139.5751, 58.8363

 0.0000, 0.0000,
0.0000

 182.9055,

174.4307, 79.5649

■ 223.6322,
214.6538, 104.6665

■ 24.9612, 21.6340,
2.8602

■ 24.9612, 21.6340,
2.8602

■ 24.9613, 21.6345,
2.8603

■ 25.8590, 23.2538,
3.7024

■ 26.9160, 25.0292,
5.0982

■ 28.1720, 26.9789,
7.2506

■ 29.6469, 29.1128,
10.2576

■ 31.3574, 31.4392,
14.2021

■ 33.3183, 33.9658,
19.1574

■ 35.5433, 36.6996,
25.1892

■ 38.0446, 39.6474,
32.3578

■ 40.8337, 42.8152,
40.7187

Harmonies

Analogous

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



31.9941, 21.6340, 6.3579



24.9612, 21.6340, 2.8602



18.0136, 21.6340, 2.5949

Triad

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



24.9612, 21.6340, 2.8602



10.2056, 21.6340, 32.0319



30.5844, 21.6340, 64.2127

Complementary

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



24.9612, 21.6340, 2.8602



10.4078, 7.4707, 44.6092

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.



23.3411, 21.6340, 82.8251



24.9612, 21.6340, 2.8602



12.2410, 21.6340, 58.4395

Square

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



24.9612, 21.6340, 2.8602



10.4521, 21.6340, 13.6213



16.7135, 21.6340, 80.2689



35.7033, 21.6340, 37.4261

Rectangle

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



24.9612, 21.6340, 2.8602



14.4092, 21.6340, 3.8696



16.7135, 21.6340, 80.2689



28.2572, 21.6340, 72.1589

Sweetspot

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



24.9617, 21.6351, 2.8606



63.4446, 65.4722, 44.5197



20.1423, 10.2584, 6.6120



13.3451, 13.7040, 8.6113



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.9617, 21.6351, 2.8606



44.4800, 38.2960, 5.0475



30.9978, 40.5091, 6.1855



8.9234, 9.3594, 8.9888



17.2762, 15.0510, 1.9946



0.5975, 0.5813, 0.0807

Inverse Universe

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



10.4078, 7.4707, 44.6092



18.4384, 12.9765, 79.8275



8.6524, 3.4971, 43.9347



8.2948, 8.7359, 10.7553



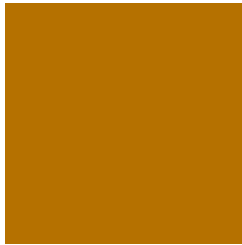
7.2367, 5.2737, 30.7735



0.2849, 0.2803, 0.9873

Previews

White Background



This preview shows how the XYZ color 24.9612, 21.6340, 2.8602 looks on a white background.

Color Contrast Check

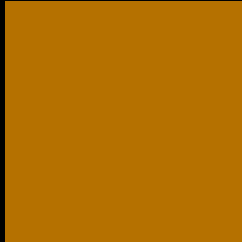
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9612, 21.6340, 2.8602 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 24.9612, 21.6340, 2.8602

Background



This preview shows how black text looks on a background with the XYZ color 24.9612, 21.6340, 2.8602.



This preview shows how white text looks on a background with the XYZ color 24.9612, 21.6340,

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

24.9612, 21.6340, 2.8602

Protanopia

19.6000, 21.7493, 3.5458

Deuteranopia

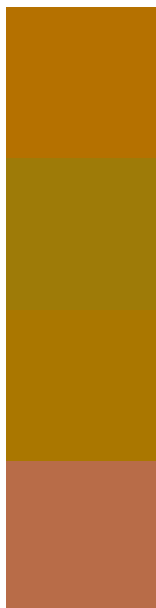
22.0638, 21.7056, 3.0267



Tritanopia

28.0398, 21.6097, 18.3160

Trichromacy



Original Color

24.9612, 21.6340, 2.8602

Protanomaly

21.2273, 21.4526, 3.2517

Deuteranomaly

23.1744, 21.7397, 2.9748

Tritanomaly

26.2994, 21.3834, 8.8722

Monochromacy



Original Color

24.9612, 21.6340, 2.8602

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.8211, 18.9952, 9.5119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9612, 21.6340, 2.8602 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(181, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 113, 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(181, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.9612, 21.6340, 2.8602 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(181, 113, 0) }
```


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

```
.border{ border-color:rgb(181, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9612, 21.6340, 2.8602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 113, 0) }
```

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

```
.background{ background-color: rgb(181,  
113, 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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