

Converting Colors

XYZ(24.8265, 21.3472, 2.8119)

Have a look what the booklet for
XYZ(24.8265, 21.3472, 2.8119)
contains.

XYZ(24.8502, 21.4121, 2.8232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.8502, 21.4121,
2.8232)**

Conversions

Conversions Part 1

Format	Color
Hex	B57000
RGB	181, 112, 0
RGB Percent	71%, 44%, 0%
CMY	0.2902, 0.5608, 1.0000
CMYK	0.00, 0.38, 1.00, 0.29
HSL	37°, 100%, 35%
HSV	37°, 100%, 71%
XYZ	24.8502, 21.4121, 2.8232
YIQ	119.8630, 77.0760, -20.2040

Conversions

Conversions Part 2

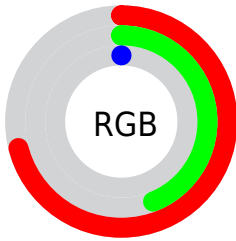
Format	Color
RYB	112, 181, 0
Decimal	11890688
CIELab	53.40, 20.59, 60.46
CIElCh	53, 63.866, 71.192
Yxy	21.4121, 0.5063, 0.4362
Android (android.graphics.Color)	4290080768 (0xFFB57000)
YUV	119.8630, -59.0925, 53.6171
Hunter-Lab	46.2732, 14.8821, 28.7739

Details

The XYZ color **24.8502, 21.4121, 2.8232** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.4687, 7.5925, 44.6294**, and the grayscale version is **17.9753, 18.9114, 20.5945**.

A 20% lighter version of the original color is **50.8475, 45.8098, 11.1632**, and **9.8594, 7.8044, 0.9867** is the 20% darker color. If you saturate the color by 10%, you get **24.8503, 21.4126, 2.8233**, and if you desaturate by 10%, it is **25.7515, 23.0388, 3.6665**.

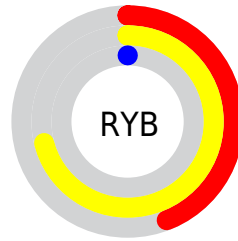
Distribution



Red (71%)

Green (44%)

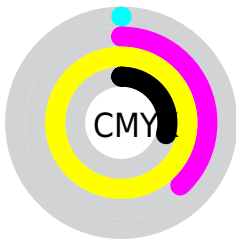
Blue (0%)



Red (44%)

Yellow (71%)

Blue (0%)

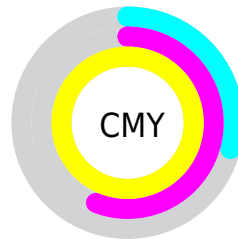


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8502, 21.4121, 2.8232 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 24.8502, 21.4121, 2.8232 by changing the saturation by 10% instead.

■ 24.8502, 21.4121,
2.8232

■ 24.8502, 21.4121,
2.8232

269.4525,
259.4605, 134.0760

■ 16.0936, 13.4256,
1.0051

■ 50.8587, 45.7724,
11.1890

■ 9.6817, 7.7222,
0.0000

■ 68.8414, 62.9149,
18.5737

■ 5.2491, 3.9177,
0.0000

■ 90.6302, 83.8782,
28.6510

■ 2.4304, 1.6277,
0.0000

■ 116.5904,
109.0468, 41.8396

■ 0.8603, 0.3761,
0.0000

■ 147.0873,
138.8048, 58.5578

■ 0.0000, 0.0000,
0.0000

■ 182.4864,

173.5369, 79.2242

■ 223.1531,
213.6273, 104.2574

■ 24.8502, 21.4121,
2.8232

■ 24.8502, 21.4121,
2.8232

■ 24.8503, 21.4126,
2.8233

■ 25.7515, 23.0388,
3.6665

■ 26.8134, 24.8241,
5.0640

■ 28.0761, 26.7871,
7.2186

■ 29.5592, 28.9375,
10.2282

■ 31.2797, 31.2839,
14.1761

■ 33.2524, 33.8340,
19.1352

■ 35.4909, 36.5951,
25.1715

■ 38.0076, 39.5737,
32.3451

■ 40.8141, 42.7762,
40.7118

Harmonies

Analogous

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



31.8214, 21.4121, 6.3576



24.8502, 21.4121, 2.8232



17.9249, 21.4121, 2.5205

Triad

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



24.8502, 21.4121, 2.8232



10.0552, 21.4121, 31.3367



30.2002, 21.4121, 64.2024

Complementary

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



24.8502, 21.4121, 2.8232



10.4687, 7.5925, 44.6294

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.



22.9879, 21.4121, 82.4603



24.8502, 21.4121, 2.8232



12.0338, 21.4121, 57.5564

Square

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



24.8502, 21.4121, 2.8232



10.3379, 21.4121, 13.2304



16.4315, 21.4121, 79.5164



35.3529, 21.4121, 37.5405

Rectangle

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



24.8502, 21.4121, 2.8232



14.3194, 21.4121, 3.7408



16.4315, 21.4121, 79.5164



27.8767, 21.4121, 72.0516

Sweetspot

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



24.8507, 21.4132, 2.8236



63.3499, 65.2828, 44.4882



20.1422, 10.2583, 6.6119



13.3224, 13.6585, 8.6037



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.



24.8507, 21.4132, 2.8236



44.2806, 37.8973, 4.9811



30.9976, 40.5090, 6.1855



8.9195, 9.3515, 8.9874



17.2000, 14.8986, 1.9692



0.5954, 0.5772, 0.0800

Inverse Universe

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



10.4687, 7.5925, 44.6294



18.5458, 13.1914, 79.8633



8.6523, 3.4971, 43.9346



8.2987, 8.7435, 10.7566



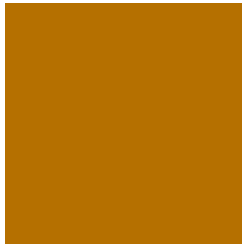
7.2792, 5.3587, 30.7877



0.2864, 0.2834, 0.9878

Previews

White Background



This preview shows how the XYZ color 24.8502, 21.4121, 2.8232 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 24.8502, 21.4121, 2.8232 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 24.8502, 21.4121, 2.8232

Background



This preview shows how black text looks on a background with the XYZ color 24.8502, 21.4121, 2.8232.



This preview shows how white text looks on a background with the XYZ color 24.8502, 21.4121,

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

24.8502, 21.4121, 2.8232

Protanopia

19.2934, 21.3967, 3.4939

Deuteranopia

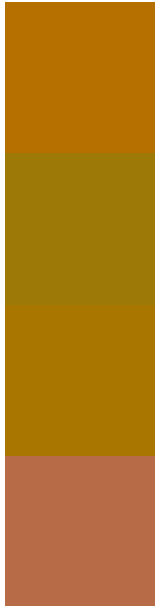
21.8598, 21.6004, 3.0172



Tritanopia

27.8825, 21.3848, 17.9873

Trichromacy



Original Color

24.8502, 21.4121, 2.8232

Protanomaly

20.9080, 21.1047, 3.2014

Deuteranomaly

22.8406, 21.3919, 2.9252

Tritanomaly

26.1622, 21.1607, 8.6668

Monochromacy



Original Color

24.8502, 21.4121, 2.8232

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 24.8502, 21.4121, 2.8232 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 112, 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, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.8502, 21.4121, 2.8232 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, 112, 0) }
```


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

```
.border{ border-color:rgb(181, 112, 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, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8502, 21.4121, 2.8232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 112, 0) }
```

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

```
.background{ background-color: rgb(181,  
112, 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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