

Converting Colors

XYZ(24.5504, 24.6357, 4.0380)

Have a look what the booklet for
XYZ(24.5504, 24.6357, 4.0380)
contains.

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Color

**XYZ(24.5877, 24.7113,
4.0461)**

Conversions

Conversions Part 1

Format	Color
Hex	A98312
RGB	169, 131, 18
RGB Percent	66%, 51%, 7%
CMY	0.3373, 0.4863, 0.9294
CMYK	0.00, 0.22, 0.89, 0.34
HSL	45°, 81%, 37%
HSV	45°, 89%, 66%
XYZ	24.5877, 24.7113, 4.0461
YIQ	129.4800, 58.9210, -27.0870

Conversions

Conversions Part 2

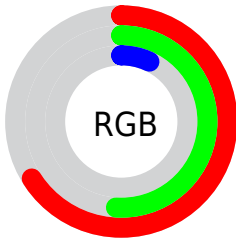
Format	Color
R_{YB}	69, 169, 18
Decimal	11109138
CIE _{Lab}	56.79, 4.83, 58.76
CIE _{LCh}	57, 58.963, 85.306
Yxy	24.7113, 0.4609, 0.4632
Android (android.graphics.Color)	4289299218 (0xFFA98312)
YUV	129.4800, -54.9596, 34.6590
Hunter-Lab	49.7105, 1.2960, 29.9715

Details

The XYZ color **24.5877, 24.7113, 4.0461** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.8252, 5.8217, 38.1945**, and the grayscale version is **21.2084, 22.3129, 24.2987**.

A 20% lighter version of the original color is **50.4399, 51.2968, 14.0803**, and **9.6994, 9.4793, 1.3185** is the 20% darker color. If you saturate the color by 10%, you get **23.9255, 23.5522, 3.3168**, and if you desaturate by 10%, it is **25.3640, 25.9556, 5.2559**.

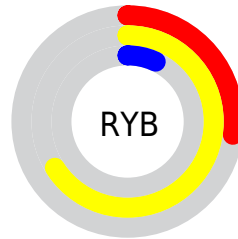
Distribution



Red (66%)

Green (51%)

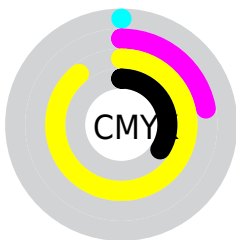
Blue (7%)



Red (27%)

Yellow (66%)

Blue (7%)

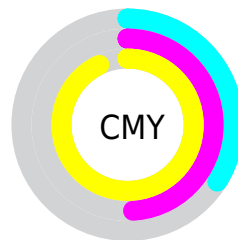


Cyan (0%)

Magenta (22%)

Yellow (89%)

Black (34%)



Cyan (34%)

Magenta (49%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5877, 24.7113, 4.0461 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 24.5877, 24.7113, 4.0461 by changing the saturation by 10% instead.

■ 24.5877, 24.7113,
4.0461

■ 24.5877, 24.7113,
4.0461

268.1641,
276.3971, 148.7364

■ 15.8972, 15.8621,
1.6507

■ 50.4353, 51.1885,
14.1159

■ 9.5418, 9.4266,
0.3266

■ 68.3231, 69.5852,
22.6274

■ 5.1562, 5.0205,
0.0000

■ 90.0074, 91.9333,
34.0147

■ 2.3749, 2.2593,
0.0000

■ 115.8536,
118.6171, 48.6963

■ 0.8326, 0.7520,
0.0000

■ 146.2270,
150.0210, 67.0907

■ 0.0000, 0.0000,
0.0000

■ 181.4930,

186.5293, 89.6165

222.0169,
228.5266, 116.6922

24.5877, 24.7113,
4.0461

24.5877, 24.7113,
4.0461

23.9255, 23.5522,
3.3168

25.3640, 25.9556,
5.2559

23.8837, 23.4781,
3.2729

26.2842, 27.2944,
7.1090

27.3645, 28.7356,
9.6867

28.6182, 30.2850,
13.0583

30.0573, 31.9478,
17.2847

■ 31.6922, 33.7285,
22.4207

■ 33.5330, 35.6316,
28.5169

■ 35.5886, 37.6611,
35.6197

■ 37.8675, 39.8207,
43.7730

Harmonies

Analogous

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



31.8591, 24.7113, 6.2199



24.5877, 24.7113, 4.0461



18.2698, 24.7113, 5.1227

Triad

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



24.5877, 24.7113, 4.0461



13.4352, 24.7113, 46.5894



36.1432, 24.7113, 54.7779

Complementary

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



24.5877, 24.7113, 4.0461



8.8252, 5.8217, 38.1945

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.



29.6142, 24.7113, 77.8114



24.5877, 24.7113, 4.0461



16.7279, 24.7113, 71.6806

Square

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



24.5877, 24.7113, 4.0461



12.6078, 24.7113, 23.9208



22.4203, 24.7113, 85.1598



39.3102, 24.7113, 30.1306

Rectangle

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



24.5877, 24.7113, 4.0461



15.2759, 24.7113, 8.0772



22.4203, 24.7113, 85.1598



34.2136, 24.7113, 63.3612

Sweetspot

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



24.5883, 24.7125, 4.0466



57.3449, 61.0242, 42.0550



17.3491, 9.1760, 4.8960



12.2783, 13.0672, 8.4534



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.



24.5883, 24.7125, 4.0466



42.6002, 41.6995, 5.8035



24.0917, 33.4687, 5.7629



7.9847, 8.4494, 7.9993



17.8446, 17.5865, 2.4540



0.4713, 0.5022, 0.0721

Inverse Universe

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



8.8252, 5.8217, 38.1945



14.2006, 7.8801, 67.9976



8.8585, 4.0607, 37.8528



7.2795, 7.5960, 9.5008



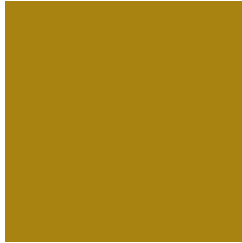
6.0057, 3.4716, 28.3290



0.1856, 0.1634, 0.7024

Previews

White Background



This preview shows how the XYZ color 24.5877, 24.7113, 4.0461 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 24.5877, 24.7113, 4.0461 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 24.5877, 24.7113, 4.0461

Background



This preview shows how black text looks on a background with the XYZ color 24.5877, 24.7113, 4.0461.

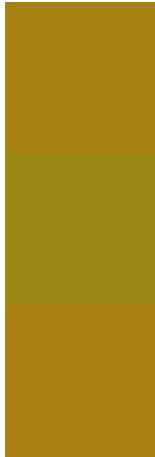


This preview shows how white text looks on a background with the XYZ color 24.5877, 24.7113,

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

24.5877, 24.7113, 4.0461

Protanopia

22.3984, 24.8119, 4.2705

Deuteranopia

24.9811, 24.5182, 4.0319



Tritanopia

28.7355, 24.6717, 24.7203

Trichromacy



Original Color

24.5877, 24.7113, 4.0461

Protanomaly

23.0796, 24.7459, 4.1761

Deuteranomaly

24.8948, 24.6702, 4.0658

Tritanomaly

26.4127, 24.2897, 12.9691

Monochromacy



Original Color

24.5877, 24.7113, 4.0461

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.2874, 22.6158, 12.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5877, 24.7113, 4.0461 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(169, 131, 18)` looks like.

```
.text, #text, p{  
    color:rgb(169, 131, 18)  
}
```

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(169, 131, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 131, 18) }
```

Border

The CSS property to change the border of an element to XYZ 24.5877, 24.7113, 4.0461 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(169, 131, 18) }
```


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

```
.border{ border-color:rgb(169, 131, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 131, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 131, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 131, 18);  
box-shadow:4px 4px 4px 4px rgb(169, 131,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5877, 24.7113, 4.0461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 131, 18) }
```

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

```
.background{ background-color: rgb(169,  
131, 18) }
```

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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