

Converting Colors

XYZ(23.7774, 24.6936, 1.7774)

Have a look what the booklet for
XYZ(23.7774, 24.6936, 1.7774)
contains.

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Color

**XYZ(24.1134, 24.8820,
3.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	A68500
RGB	166, 133, 0
RGB Percent	65%, 52%, 0%
CMY	0.3490, 0.4784, 1.0000
CMYK	0.00, 0.20, 1.00, 0.35
HSL	48°, 100%, 33%
HSV	48°, 100%, 65%
XYZ	24.1134, 24.8820, 3.5318
YIQ	127.7050, 62.3610, -34.3670

Conversions

Conversions Part 2

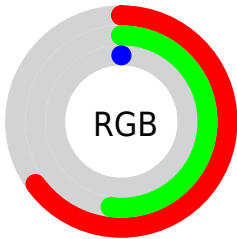
Format	Color
RYB	41, 166, 0
Decimal	10913024
CIELab	56.96, 2.04, 62.01
CIElCh	57, 62.044, 88.113
Yxy	24.8820, 0.4591, 0.4737
Android (android.graphics.Color)	4289103104 (0xFFA68500)
YUV	127.7050, -62.9586, 33.5847
Hunter-Lab	49.8819, -1.0045, 30.7194

Details

The XYZ color **24.1134, 24.8820, 3.5318** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.4270, 3.8412, 36.4261**, and the grayscale version is **20.6125, 21.6860, 23.6160**.

A 20% lighter version of the original color is **49.6844, 51.5550, 12.9627**, and **9.4770, 9.5919, 1.3519** is the 20% darker color. If you saturate the color by 10%, you get **24.1136, 24.8827, 3.5319**, and if you desaturate by 10%, it is **24.6710, 25.8403, 4.2018**.

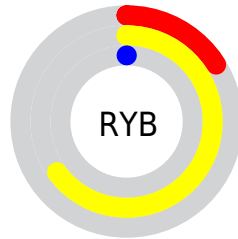
Distribution



Red (65%)

Green (52%)

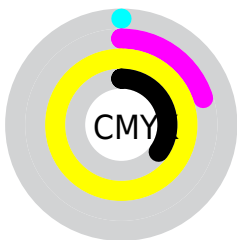
Blue (0%)



Red (16%)

Yellow (65%)

Blue (0%)

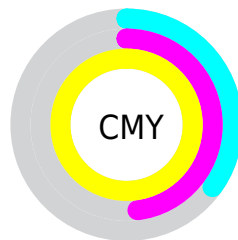


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1134, 24.8820, 3.5318 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 24.1134, 24.8820, 3.5318 by changing the saturation by 10% instead.

■ 24.1134, 24.8820,
3.5318

■ 24.1134, 24.8820,
3.5318

265.8231,
277.2498, 142.8698

■ 15.5430, 15.9892,
1.3722

■ 49.6685, 51.4657,
12.9147

■ 9.2901, 9.5165,
0.1199

■ 67.3839, 69.9254,
20.9750

■ 4.9895, 5.0796,
0.0000

■ 88.8783, 92.3428,
31.8394

■ 2.2758, 2.2940,
0.0000

■ 114.5171,
119.1024, 45.9262

■ 0.7822, 0.7705,
0.0000

■ 144.6656,
150.5885, 63.6542

■ 0.0000, 0.0000,
0.0000

■ 179.6892,

187.1855, 85.4417

219.9533,
229.2778, 111.7074

24.1134, 24.8820,
3.5318

24.1134, 24.8820,
3.5318

24.1136, 24.8827,
3.5319

24.6710, 25.8403,
4.2018

25.3235, 26.8585,
5.3038

26.1054, 27.9515,
7.0154

27.0315, 29.1256,
9.4149

28.1147, 30.3860,
12.5688

■ 29.3661, 31.7374,
16.5359

■ 30.7960, 33.1841,
21.3690

■ 32.4136, 34.7299,
27.1165

■ 34.2276, 36.3785,
33.8232

Harmonies

Analogous

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



31.8408, 24.8820, 5.3192



24.1134, 24.8820, 3.5318



17.6480, 24.8820, 4.8857

Triad

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



24.1134, 24.8820, 3.5318



13.3275, 24.8820, 50.7125



37.6367, 24.8820, 54.2641

Complementary

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



24.1134, 24.8820, 3.5318



7.4270, 3.8412, 36.4261

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.



30.8776, 24.8820, 80.0617



24.1134, 24.8820, 3.5318



16.9995, 24.8820, 77.3747

Square

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



24.1134, 24.8820, 3.5318



12.2371, 24.8820, 25.7939



23.1918, 24.8820, 90.1533



40.5791, 24.8820, 28.4335

Rectangle

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



24.1134, 24.8820, 3.5318



14.6846, 24.8820, 8.1739



23.1918, 24.8820, 90.1533



35.6756, 24.8820, 63.6378

Sweetspot

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



24.1140, 24.8832, 3.5323



55.7372, 60.0738, 38.2455



16.0033, 8.2181, 2.1969



12.2301, 13.2012, 7.7270



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.



24.1140, 24.8832, 3.5323



43.6124, 44.8562, 6.3595



20.8656, 30.9992, 4.8840



8.0183, 8.5167, 8.0105



18.7322, 19.3617, 2.7499



0.4871, 0.5338, 0.0774

Inverse Universe

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



7.4270, 3.8412, 36.4261



13.3589, 6.7307, 66.0703



8.1889, 3.4266, 36.3059



7.2481, 7.5331, 9.4904



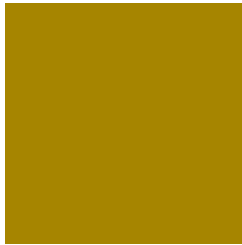
5.7866, 3.0334, 28.2560



0.1739, 0.1400, 0.6985

Previews

White Background



This preview shows how the XYZ color 24.1134, 24.8820, 3.5318 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



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 24.1134, 24.8820, 3.5318

Background



This preview shows how black text looks on a background with the XYZ color 24.1134, 24.8820, 3.5318.



This preview shows how white text looks on a background with the XYZ color 24.1134, 24.8820,

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

24.1134, 24.8820, 3.5318

Protanopia

22.5016, 24.8752, 3.8165

Deuteranopia

25.2766, 24.8737, 3.7855



Tritanopia

28.6749, 24.9930, 25.5031

Trichromacy



Original Color

24.1134, 24.8820, 3.5318

Protanomaly

23.1241, 24.9880, 3.7193

Deuteranomaly

24.7322, 24.7940, 3.6832

Tritanomaly

25.8066, 24.3807, 11.9401

Monochromacy



Original Color

24.1134, 24.8820, 3.5318

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6232, 22.3101, 11.0039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1134, 24.8820, 3.5318 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(166, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 133, 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(166, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.1134, 24.8820, 3.5318 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(166, 133, 0) }
```


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

```
.border{ border-color:rgb(166, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 133,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1134, 24.8820, 3.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 133, 0) }
```

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

```
.background{ background-color: rgb(166,  
133, 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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