

Converting Colors

XYZ(24.6778, 24.7628, 5.1178)

Have a look what the booklet for
XYZ(24.6778, 24.7628, 5.1178)
contains.

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Color

**XYZ(24.5832, 24.6848,
5.1380)**

Conversions

Conversions Part 1

Format	Color
Hex	A88324
RGB	168, 131, 36
RGB Percent	66%, 51%, 14%
CMY	0.3412, 0.4863, 0.8588
CMYK	0.00, 0.22, 0.79, 0.34
HSL	43°, 65%, 40%
HSV	43°, 79%, 66%
XYZ	24.5832, 24.6848, 5.1380
YIQ	131.2330, 52.5470, -21.7010

Conversions

Conversions Part 2

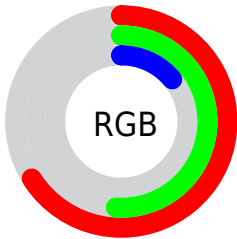
Format	Color
R_{YB}	87, 168, 36
Decimal	11043620
CIE _{Lab}	56.77, 4.92, 53.19
CIE _{LCh}	57, 53.414, 84.717
Yxy	24.6848, 0.4518, 0.4537
Android (android.graphics.Color)	4289233700 (0xFFA88324)
YUV	131.2330, -46.9499, 32.2447
Hunter-Lab	49.6838, 1.3739, 28.6472

Details

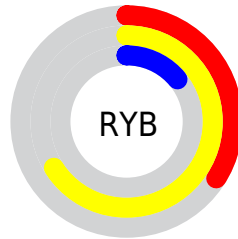
The XYZ color **24.5832, 24.6848, 5.1380** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.1779, 7.9671, 38.0470**, and the grayscale version is **21.8069, 22.9426, 24.9845**.

A 20% lighter version of the original color is **50.6222, 51.3331, 16.6914**, and **9.6994, 9.4793, 1.3185** is the 20% darker color. If you saturate the color by 10%, you get **23.7664, 23.3700, 3.8835**, and if you desaturate by 10%, it is **25.5503, 26.1076, 7.0371**.

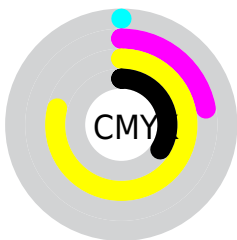
Distribution



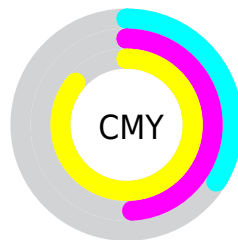
- Red (66%)
- Green (51%)
- Blue (14%)



- Red (34%)
- Yellow (66%)
- Blue (14%)



- Cyan (0%)
- Magenta (22%)
- Yellow (79%)
- Black (34%)





- Cyan (34%)
- Magenta (49%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5832, 24.6848, 5.1380 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 24.5832, 24.6848, 5.1380 by changing the saturation by 10% instead.

 24.5832, 24.6848,
5.1380

 24.5832, 24.6848,
5.1380


268.1419,
276.2646, 160.1402


 15.8939, 15.8424,
2.2683


 50.4280, 51.1454,
16.5593


 9.5395, 9.4127,
0.7134


 68.3142, 69.5324,
25.9479

 5.1546, 5.0113,
0.0000

 89.9968, 91.8697,
38.3466

 2.3739, 2.2539,
0.0000

 115.8410,
118.5417, 54.1740

 0.8321, 0.7491,
0.0000

 146.2123,
149.9328, 73.8485

 0.0000, 0.0000,
0.0000

 181.4759,

186.4273, 97.7886

221.9974,
228.4098, 126.4130

■ 24.5832, 24.6848,
5.1380

■ 24.5832, 24.6848,
5.1380

■ 23.7664, 23.3700,
3.8835

■ 25.5503, 26.1076,
7.0371

■ 23.0705, 22.1480,
3.1281

■ 26.6812, 27.6416,
9.6580

■ 22.9753, 21.9786,
3.0314

■ 27.9897, 29.2938,
13.0685

■ 29.4874, 31.0694,
17.3283

■ 31.1849, 32.9732,
22.4910

■ 33.0918, 35.0097,
28.6062

■ 35.2172, 37.1829,
35.7195

■ 37.5695, 39.4968,
43.8738

■ 40.1566, 41.9551,
53.1092

Harmonies

Analogous

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



31.0893, 24.6848, 7.4653



24.5832, 24.6848, 5.1380



18.7985, 24.6848, 6.1990

Triad

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



24.5832, 24.6848, 5.1380



14.1712, 24.6848, 43.9390



34.6704, 24.6848, 51.9825

Complementary

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



24.5832, 24.6848, 5.1380



10.1779, 7.9671, 38.0470

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.



28.8397, 24.6848, 71.6765



24.5832, 24.6848, 5.1380



17.1972, 24.6848, 65.7684

Square

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



24.5832, 24.6848, 5.1380



13.4359, 24.6848, 23.8391



22.3757, 24.6848, 77.6005



37.5364, 24.6848, 30.1638

Rectangle

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



24.5832, 24.6848, 5.1380



15.9984, 24.6848, 9.1193



22.3757, 24.6848, 77.6005



32.9471, 24.6848, 59.3956

Sweetspot

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



24.5838, 24.6860, 5.1385



57.9717, 61.3314, 45.1812



17.9953, 10.0731, 7.3693



12.3850, 13.0970, 9.0551



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.



24.5838, 24.6860, 5.1385



42.2141, 40.8094, 6.0382



25.0355, 33.6560, 6.8461



7.9665, 8.4131, 7.9933



17.3950, 16.6872, 2.3041



0.4631, 0.4857, 0.0693

Inverse Universe

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



10.1779, 7.9671, 38.0470



15.2431, 9.7151, 68.2969



9.8525, 5.1994, 37.5299



7.2966, 7.6302, 9.5065



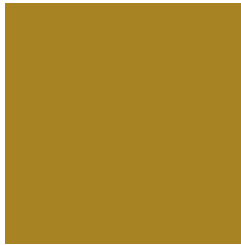
6.1461, 3.7523, 28.3758



0.1919, 0.1761, 0.7045

Previews

White Background



This preview shows how the XYZ color 24.5832, 24.6848, 5.1380 looks on a white background.

Color Contrast Check

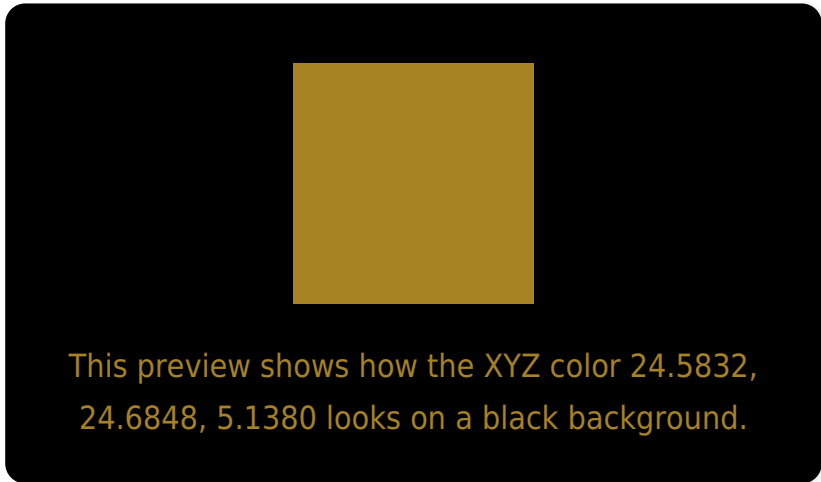
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5832, 24.6848, 5.1380

Background



This preview shows how black text looks on a background with the XYZ color 24.5832, 24.6848, 5.1380.



This preview shows how white text looks on a background with the XYZ color 24.5832, 24.6848,

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

24.5832, 24.6848, 5.1380

Protanopia

22.4165, 24.7972, 5.3551

Deuteranopia

25.1111, 24.7568, 5.2053



Tritanopia

28.5800, 24.5837, 25.0686

Trichromacy



Original Color

24.5832, 24.6848, 5.1380

Protanomaly

23.0985, 24.7306, 5.3063

Deuteranomaly

24.8941, 24.6449, 5.1951

Tritanomaly

26.5045, 24.3010, 14.6029

Monochromacy



Original Color

24.5832, 24.6848, 5.1380

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.7292, 23.0064, 14.3618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5832, 24.6848, 5.1380 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(168, 131, 36)` looks like.

```
.text, #text, p{  
    color:rgb(168, 131, 36)  
}
```

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(168, 131, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 131, 36) }
```

Border

The CSS property to change the border of an element to XYZ 24.5832, 24.6848, 5.1380 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(168, 131, 36) }
```


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

```
.border{ border-color:rgb(168, 131, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 131, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 131, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 131, 36);  
box-shadow:4px 4px 4px 4px rgb(168, 131,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5832, 24.6848, 5.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 131, 36) }
```

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

```
.background{ background-color: rgb(168,  
131, 36) }
```

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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