

Converting Colors

XYZ(24.8171, 21.3722, 8.3859)

Have a look what the booklet for
XYZ(24.8171, 21.3722, 8.3859)
contains.

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Color

**XYZ(24.8838, 21.4700,
8.4628)**

Conversions

Conversions Part 1

Format	Color
Hex	B07145
RGB	176, 113, 69
RGB Percent	69%, 44%, 27%
CMY	0.3098, 0.5568, 0.7294
CMYK	0.00, 0.36, 0.61, 0.31
HSL	25°, 44%, 48%
HSV	25°, 61%, 69%
XYZ	24.8838, 21.4700, 8.4628
YIQ	126.8210, 51.6720, -0.3280

Conversions

Conversions Part 2

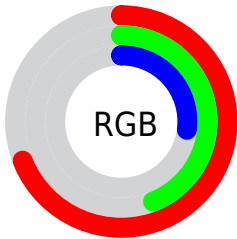
Format	Color
R_{YB}	176, 144, 69
Decimal	11563333
CIE _{Lab}	53.46, 20.47, 34.41
CIE _{LCh}	53, 40.033, 59.256
Yxy	21.4700, 0.4539, 0.3917
Android (android.graphics.Color)	4289753413 (0xFFB07145)
YUV	126.8210, -28.5058, 43.1300
Hunter-Lab	46.3357, 14.7728, 21.6062

Details

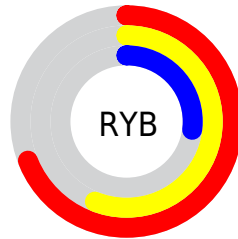
The XYZ color **24.8838, 21.4700, 8.4628** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.5415, 20.9013, 44.1313**, and the grayscale version is **20.1941, 21.2458, 23.1367**.

A 20% lighter version of the original color is **50.9861, 45.8804, 23.3081**, and **9.7907, 7.8355, 1.8070** is the 20% darker color. If you saturate the color by 10%, you get **23.3257, 19.1022, 5.6363**, and if you desaturate by 10%, it is **26.7370, 24.1688, 12.1875**.

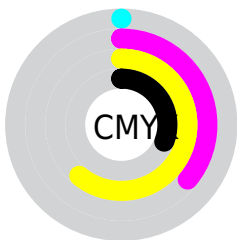
Distribution



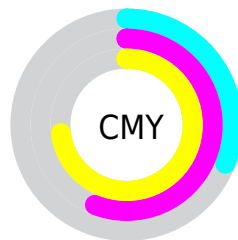
- Red (69%)
- Green (44%)
- Blue (27%)



- Red (69%)
- Yellow (56%)
- Blue (27%)



- Cyan (0%)
- Magenta (36%)
- Yellow (61%)
- Black (31%)





- Cyan (31%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8838, 21.4700, 8.4628 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 24.8838, 21.4700, 8.4628 by changing the saturation by 10% instead.


 24.8838, 21.4700,
8.4628

 24.8838, 21.4700,
8.4628


269.6171,
259.7658, 189.3863


 16.1188, 13.4680,
4.3005


 50.9129, 45.8684,
23.4218


 9.6996, 7.7516,
1.7916


 68.9077, 63.0337,
35.0556


 5.2610, 3.9364,
0.4224

 90.7098, 84.0221,
50.0170

 2.4375, 1.6381,
0.0000

 116.6845,
109.2181, 68.7244

 0.8639, 0.3831,
0.0000

 147.1973,
139.0061, 91.5966

 0.0000, 0.0000,
0.0000

182.6134,

173.7704, 119.0519

223.2982,
213.8955, 151.5090

■ 24.8838, 21.4700,
8.4628

■ 24.8838, 21.4700,
8.4628

■ 23.3257, 19.1022,
5.6363

■ 26.7370, 24.1688,
12.1875

■ 22.0418, 17.0475,
3.6271

■ 28.9010, 27.2089,
16.8789

■ 21.0107, 15.2905,
2.3421

■ 31.3919, 30.6042,
22.6005

■ 20.2465, 13.9142,
1.6186

■ 34.2244, 34.3667,
29.4096

■ 37.4120, 38.5078,
37.3597

■ 40.9675, 43.0382,
46.5003

■ 44.9029, 47.9683,
56.8782

■ 49.2299, 53.3081,
68.5376

■ 53.9594, 59.0671,
81.5206

Harmonies

Analogous

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



28.4138, 21.4700, 13.6899



24.8838, 21.4700, 8.4628



20.5131, 21.4700, 6.8980

Triad

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



24.8838, 21.4700, 8.4628



13.2671, 21.4700, 23.0740



24.6742, 21.4700, 50.3754

Complementary

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



24.8838, 21.4700, 8.4628



18.5415, 20.9013, 44.1313

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.



20.3004, 21.4700, 55.5271



24.8838, 21.4700, 8.4628



14.0656, 21.4700, 36.8078

Square

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



24.8838, 21.4700, 8.4628



14.1488, 21.4700, 13.3240



16.5015, 21.4700, 49.8690



28.2814, 21.4700, 37.5264

Rectangle

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



24.8838, 21.4700, 8.4628



17.8243, 21.4700, 7.4948



16.5015, 21.4700, 49.8690



23.2269, 21.4700, 53.2283

Sweetspot

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



24.8843, 21.4711, 8.4632



63.4446, 64.1277, 56.7184



24.2801, 15.1855, 23.9143



13.4082, 13.4504, 11.4523



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.8843, 21.4711, 8.4632



41.4395, 33.2840, 8.7928



32.4879, 36.6783, 10.9977



8.7738, 9.0602, 8.9389



14.9101, 10.3187, 1.2059



0.5272, 0.4408, 0.0573

Inverse Universe

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



18.5415, 20.9013, 44.1313



28.8724, 32.0584, 79.1615



13.1376, 10.0935, 42.3300



8.4438, 9.0338, 10.8050



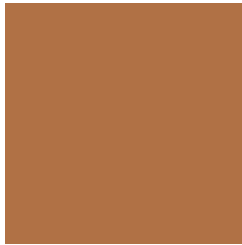
9.4125, 9.6254, 31.4988



0.3519, 0.4144, 1.0097

Previews

White Background



This preview shows how the XYZ color 24.8838, 21.4700, 8.4628 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 24.8838, 21.4700, 8.4628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

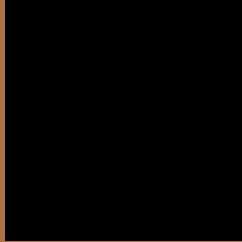
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8838, 21.4700, 8.4628

Background



This preview shows how black text looks on a background with the XYZ color 24.8838, 21.4700, 8.4628.



This preview shows how white text looks on a background with the XYZ color 24.8838, 21.4700,

8.4628.

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

24.8838, 21.4700, 8.4628

Protanopia

19.7704, 21.5082, 9.5881

Deuteranopia

21.8773, 21.4924, 8.3056



Tritanopia

26.9426, 21.3369, 18.9181

Trichromacy



Original Color

24.8838, 21.4700, 8.4628

Protanomaly

21.3895, 21.4061, 9.1353

Deuteranomaly

22.9501, 21.5035, 8.4098

Tritanomaly

26.0333, 21.2841, 14.2914

Monochromacy



Original Color

24.8838, 21.4700, 8.4628

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.2381, 20.9794, 16.5657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8838, 21.4700, 8.4628 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(176, 113, 69)` looks like.

```
.text, #text, p{  
    color:rgb(176, 113, 69)  
}
```

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(176, 113, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 113, 69) }
```

Border

The CSS property to change the border of an element to XYZ 24.8838, 21.4700, 8.4628 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(176, 113, 69) }
```


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

```
.border{ border-color:rgb(176, 113, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 113, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 113, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 113, 69);  
box-shadow:4px 4px 4px 4px rgb(176, 113,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8838, 21.4700, 8.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 113, 69) }
```

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

```
.background{ background-color: rgb(176,  
113, 69) }
```

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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