

Converting Colors

XYZ(28.2525, 24.2124, 8.7653)

Have a look what the booklet for
XYZ(28.2525, 24.2124, 8.7653)
contains.

XYZ(28.1645, 24.1881, 8.8146)	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(28.1645, 24.1881,
8.8146)**

Conversions

Conversions Part 1

Format	Color
Hex	BB7745
RGB	187, 119, 69
RGB Percent	73%, 47%, 27%
CMY	0.2667, 0.5333, 0.7294
CMYK	0.00, 0.36, 0.63, 0.27
HSL	25°, 46%, 50%
HSV	25°, 63%, 73%
XYZ	28.1645, 24.1881, 8.8146
YIQ	133.6320, 56.5780, -1.1340

Conversions

Conversions Part 2

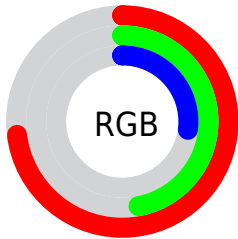
Format	Color
R_{YB}	187, 156, 69
Decimal	12285765
CIE _{Lab}	56.28, 21.81, 38.09
CIE _{LCh}	56, 43.896, 60.208
Yxy	24.1881, 0.4605, 0.3954
Android (android.graphics.Color)	4290475845 (0xFFBB7745)
YUV	133.6320, -31.8636, 46.8037
Hunter-Lab	49.1814, 16.1534, 23.8007

Details

The XYZ color **28.1645, 24.1881, 8.8146** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.3690, 22.7433, 50.3297**, and the grayscale version is **22.6241, 23.8023, 25.9207**.

A 20% lighter version of the original color is **56.0883, 50.4298, 24.2305**, and **11.5409, 9.1841, 1.9235** is the 20% darker color. If you saturate the color by 10%, you get **26.4625, 21.5713, 5.8208**, and if you desaturate by 10%, it is **30.1960, 27.1714, 12.8210**.

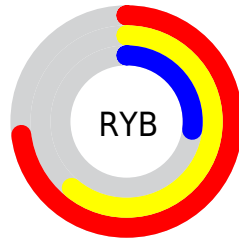
Distribution



Red (73%)

Green (47%)

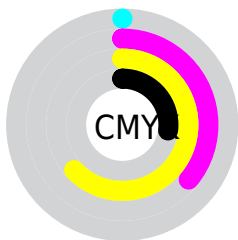
Blue (27%)



Red (73%)

Yellow (61%)

Blue (27%)

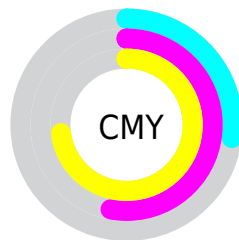


Cyan (0%)

Magenta (36%)

Yellow (63%)

Black (27%)



Cyan (27%)


Magenta (53%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1645, 24.1881, 8.8146 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 28.1645, 24.1881, 8.8146 by changing the saturation by 10% instead.

 28.1645, 24.1881,
8.8146


 28.1645, 24.1881,
8.8146


285.3180,
273.7701, 192.1556


 18.5908, 15.4732,
4.5253


 56.1538, 50.3370,
24.1126


 11.4772, 9.1522,
1.9177


 75.3000, 68.5398,
35.9583

 6.4584, 4.8406,
0.5040


 98.3679, 90.6740,
51.1600

 3.1691, 2.1540,
0.0000

 125.7226,
117.1240, 70.1361

 1.2438, 0.6948,
0.0000

 157.7297,
148.2742, 93.3051

 0.1405, 0.0000,
0.0000

194.7543,

 0.0000, 0.0000,

184.5090, 121.0857

0.0000

237.1620,
226.2129, 153.8964

■ 28.1645, 24.1881,
8.8146

■ 28.1645, 24.1881,
8.8146

■ 26.4625, 21.5713,
5.8208

■ 30.1960, 27.1714,
12.8210

■ 25.0655, 19.3004,
3.7426

■ 32.5754, 30.5329,
17.9220

■ 23.9476, 17.3580,
2.4657

■ 35.3216, 34.2882,
24.1927

■ 23.3070, 16.1920,
1.8970

■ 38.4515, 38.4508,
31.7012

■ 41.9808, 43.0335,
40.5103

■ 45.9242, 48.0484,
50.6783

■ 50.2957, 53.5073,
62.2602

■ 55.1086, 59.4212,
75.3079

■ 60.3755, 65.8008,
89.8704

Harmonies

Analogous

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



32.4527, 24.1881, 14.6687



28.1645, 24.1881, 8.8146



22.9549, 24.1881, 7.1577

Triad

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



28.1645, 24.1881, 8.8146



14.5770, 24.1881, 26.4378



28.2344, 24.1881, 58.4544

Complementary

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



28.1645, 24.1881, 8.8146



20.3690, 22.7433, 50.3297

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.



23.0253, 24.1881, 65.1235



28.1645, 24.1881, 8.8146



15.5728, 24.1881, 42.9684

Square

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



28.1645, 24.1881, 8.8146



15.5456, 24.1881, 14.7873



18.4917, 24.1881, 58.6263



32.4971, 24.1881, 42.7267

Rectangle

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



28.1645, 24.1881, 8.8146



19.7939, 24.1881, 7.9007



18.4917, 24.1881, 58.6263



26.5130, 24.1881, 62.0411

Sweetspot

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



28.1651, 24.1893, 8.8151



71.1791, 71.8894, 62.4819



27.1970, 16.6513, 25.7623



15.2867, 15.3242, 12.8003



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.1651, 24.1893, 8.8151



46.2978, 36.8818, 8.7004



37.3226, 42.5044, 11.8676



9.8535, 10.1831, 10.0228



16.1272, 11.2933, 1.3298



0.6966, 0.5721, 0.0737

Inverse Universe

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



20.3690, 22.7433, 50.3297



31.1344, 33.9630, 89.1160



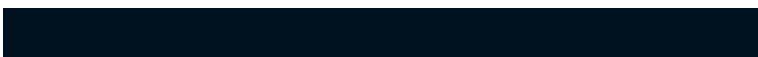
14.2080, 10.4213, 48.2761



9.4606, 10.1136, 12.1257



9.9300, 9.9718, 33.7943



0.4525, 0.5176, 1.3449

Previews

White Background



This preview shows how the XYZ color 28.1645, 24.1881, 8.8146 looks on a white background.

Color Contrast Check

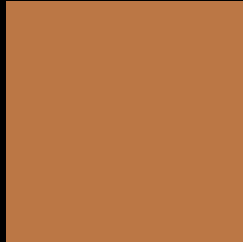
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1645, 24.1881, 8.8146 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 28.1645, 24.1881, 8.8146

Background



This preview shows how black text looks on a background with the XYZ color 28.1645, 24.1881, 8.8146.



This preview shows how white text looks on a background with the XYZ color 28.1645, 24.1881,

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

28.1645, 24.1881, 8.8146

Protanopia

22.3284, 24.2255, 10.1558

Deuteranopia

24.7997, 24.3213, 8.6976



Tritanopia

30.8422, 24.2671, 21.1476

Trichromacy



Original Color

28.1645, 24.1881, 8.8146

Protanomaly

24.1571, 23.9681, 9.6564

Deuteranomaly

25.8326, 24.0833, 8.7559

Tritanomaly

29.7642, 24.1679, 15.6665

Monochromacy



Original Color

28.1645, 24.1881, 8.8146

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.8016, 23.5986, 18.0524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1645, 24.1881, 8.8146 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(187, 119, 69)` looks like.

```
.text, #text, p{  
    color:rgb(187, 119, 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(187, 119, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 119, 69) }
```

Border

The CSS property to change the border of an element to XYZ 28.1645, 24.1881, 8.8146 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(187, 119, 69) }
```


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

```
.border{ border-color:rgb(187, 119, 69) }
```

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

Here you see how a box with a 4 pixel rgb(187, 119, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 119, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 119, 69);  
box-shadow:4px 4px 4px 4px rgb(187, 119,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1645, 24.1881, 8.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 119, 69) }
```

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

```
.background{ background-color: rgb(187,  
119, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor