

Converting Colors

XYZ(22.3700, 24.3534, 20.4137)

Have a look what the booklet for
XYZ(22.3700, 24.3534, 20.4137)
contains.

XYZ(22.4731, 24.4940, 20.3730)	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(22.4731, 24.4940,
20.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	898975
RGB	137, 137, 117
RGB Percent	54%, 54%, 46%
CMY	0.4627, 0.4627, 0.5412
CMYK	0.00, 0.00, 0.15, 0.46
HSL	60°, 8%, 50%
HSV	60°, 15%, 54%
XYZ	22.4731, 24.4940, 20.3730
YIQ	134.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

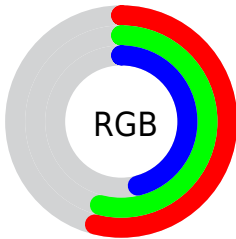
Format	Color
RYB	117, 137, 117
Decimal	9013621
CIELab	56.58, -3.66, 10.74
CIElCh	57, 11.351, 108.814
Yxy	24.4940, 0.3337, 0.3637
Android (android.graphics.Color)	4287203701 (0xFF898975)
YUV	134.7200, -8.7360, 1.9996
Hunter-Lab	49.4914, -5.5566, 10.2374

Details

The XYZ color **22.4731, 24.4940, 20.3730** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.2136, 18.3113, 26.2426**, and the grayscale version is **22.9556, 24.1511, 26.3005**.

A 20% lighter version of the original color is **46.8101, 50.6386, 44.8432**, and **8.4129, 9.2723, 6.9766** is the 20% darker color. If you saturate the color by 10%, you get **21.7258, 24.1959, 16.4365**, and if you desaturate by 10%, it is **23.3396, 24.8414, 24.9316**.

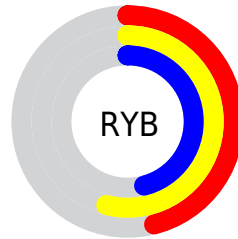
Distribution



Red (54%)

Green (54%)

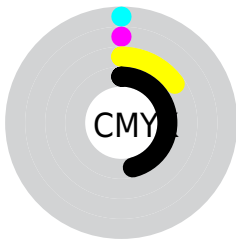
Blue (46%)



Red (46%)

Yellow (54%)

Blue (46%)

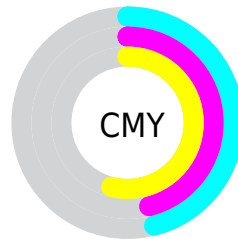


Cyan (0%)

Magenta (0%)

Yellow (15%)

Black (46%)



Cyan (46%)

Magenta (46%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4731, 24.4940, 20.3730 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 22.4731, 24.4940, 20.3730 by changing the saturation by 10% instead.

■ 22.4731, 24.4940,
20.3730

■ 22.4731, 24.4940,
20.3730

257.5932,
275.3086, 266.5980

■ 14.3235, 15.7005,
12.4797

■ 46.9997, 50.8351,
44.9088

■ 8.4292, 9.3125,
6.9448

■ 64.1075, 69.1516,
62.3884

■ 4.4249, 4.9455,
3.3497

■ 84.9320, 91.4110,
83.9006

■ 1.9452, 2.2153,
1.2758

109.8386,
117.9980, 109.8638

■ 0.6029, 0.7283,
0.0419

139.1927,
149.2969, 140.6966

■ 0.0000, 0.0000,
0.0000

173.3596,

185.6920, 176.8175

212.7046,
227.5677, 218.6452

■ 22.4731, 24.4940,
20.3730

■ 22.4731, 24.4940,
20.3730

■ 21.7258, 24.1959,
16.4365

■ 23.3396, 24.8414,
24.9316

■ 21.0908, 23.9418,
13.0936

■ 24.3282, 25.2369,
30.1359

■ 20.5630, 23.7307,
10.3160

■ 25.4440, 25.6833,
36.0102

■ 20.1367, 23.5601,
8.0725

■ 26.6913, 26.1822,
42.5773

■ 19.8053, 23.4275,
6.3288

■ 28.0743, 26.7355,
49.8585

■ 19.5616, 23.3300,
5.0467

■ 29.5969, 27.3445,
57.8747

■ 19.3972, 23.2642,
4.1824

■ 31.2627, 28.0109,
66.6455

■ 19.3012, 23.2258,
3.6782

■ 33.0755, 28.7360,
76.1900

■ 19.2605, 23.2095,
3.4647

■ 35.0387, 29.5213,
86.5266

Harmonies

Analogous

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



23.7759, 24.4940, 20.1649



22.4731, 24.4940, 20.3730



21.4253, 24.4940, 22.1704

Triad

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



22.4731, 24.4940, 20.3730



21.6516, 24.4940, 32.5130



25.8563, 24.4940, 28.1027

Complementary

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



22.4731, 24.4940, 20.3730



18.2136, 18.3113, 26.2426

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.



25.2405, 24.4940, 31.7401



22.4731, 24.4940, 20.3730



22.7926, 24.4940, 34.4418

Square

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



22.4731, 24.4940, 20.3730



20.9635, 24.4940, 29.0794



24.1076, 24.4940, 34.1463



25.7629, 24.4940, 24.3971

Rectangle

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



22.4731, 24.4940, 20.3730



20.9970, 24.4940, 24.1320



24.1076, 24.4940, 34.1463



25.7245, 24.4940, 29.3796

Sweetspot

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



22.4738, 24.4951, 20.3735



41.8800, 44.5183, 45.0938



19.8895, 19.3259, 19.5120



9.3683, 9.9752, 9.9818



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.4738, 24.4951, 20.3735



39.7114, 43.6508, 33.6777



20.9098, 23.6888, 20.3003



5.4310, 5.8449, 5.3943



17.9402, 21.6185, 3.2272



0.1192, 0.1436, 0.0214

Inverse Universe

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



18.2136, 18.3113, 26.2426



30.3428, 30.0518, 46.5845



19.6298, 19.0413, 26.3089



4.7747, 4.8923, 6.2985



4.2062, 1.6825, 22.1488



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 22.4731, 24.4940, 20.3730 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 22.4731, 24.4940, 20.3730 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 22.4731, 24.4940, 20.3730

Background



This preview shows how black text looks on a background with the XYZ color 22.4731, 24.4940, 20.3730.



This preview shows how white text looks on a background with the XYZ color 22.4731, 24.4940,

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

22.4731, 24.4940, 20.3730

Protanopia

23.1441, 24.4285, 20.0184

Deuteranopia

24.9039, 24.5092, 20.5577



Tritanopia

24.4061, 24.4514, 29.8188

Trichromacy



Original Color

22.4731, 24.4940, 20.3730

Protanomaly

22.9411, 24.5320, 20.0490

Deuteranomaly

23.8703, 24.3790, 20.5871

Tritanomaly

23.6434, 24.3469, 26.0075

Monochromacy



Original Color

22.4731, 24.4940, 20.3730

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.8538, 24.4011, 23.9274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4731, 24.4940, 20.3730 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(137, 137, 117)` looks like.

```
.text, #text, p{  
    color:rgb(137, 137, 117)  
}
```

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(137, 137, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 137, 117) }
```

Border

The CSS property to change the border of an element to XYZ 22.4731, 24.4940, 20.3730 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(137, 137, 117) }
```


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

```
.border{ border-color:rgb(137, 137, 117) }
```

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

Here you see how a box with a 4 pixel rgb(137, 137, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 137, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 137, 117);  
box-shadow:4px 4px 4px 4px rgb(137, 137,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4731, 24.4940, 20.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 137, 117) }
```

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

```
.background{ background-color: rgb(137,  
137, 117) }
```

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