

Converting Colors

XYZ(24.1059, 24.3936, 21.5843)

Have a look what the booklet for
XYZ(24.1059, 24.3936, 21.5843)
contains.

XYZ(24.2331, 24.5451, 21.5496)	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(24.2331, 24.5451,
21.5496)**

Conversions

Conversions Part 1

Format	Color
Hex	958579
RGB	149, 133, 121
RGB Percent	58%, 52%, 47%
CMY	0.4157, 0.4784, 0.5255
CMYK	0.00, 0.11, 0.19, 0.42
HSL	26°, 12%, 53%
HSV	26°, 19%, 58%
XYZ	24.2331, 24.5451, 21.5496
YIQ	136.4160, 13.3880, -0.3400

Conversions

Conversions Part 2

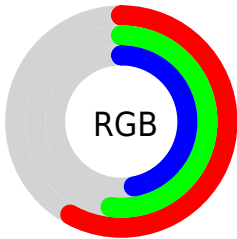
Format	Color
R_{YB}	149, 142, 121
Decimal	9799033
CIE Lab	56.63, 3.99, 8.67
CIE LCh	57, 9.545, 65.282
Yxy	24.5451, 0.3446, 0.3490
Android (android.graphics.Color)	4287989113 (0xFF958579)
YUV	136.4160, -7.6001, 11.0362
Hunter-Lab	49.5430, 0.6099, 8.8909

Details

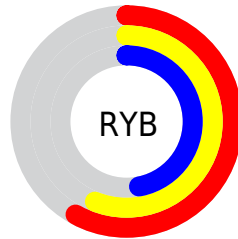
The XYZ color **24.2331, 24.5451, 21.5496** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.2554, 24.1255, 31.9175**, and the grayscale version is **23.5825, 24.8106, 27.0187**.

A 20% lighter version of the original color is **49.7303, 50.8315, 46.7255**, and **9.3770, 9.4052, 7.4521** is the 20% darker color. If you saturate the color by 10%, you get **22.2706, 21.9711, 16.7303**, and if you desaturate by 10%, it is **26.4326, 27.3667, 27.1449**.

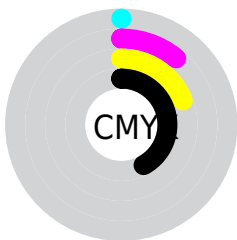
Distribution



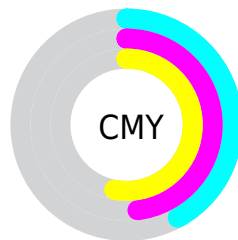
- Red (58%)
- Green (52%)
- Blue (47%)



- Red (58%)
- Yellow (56%)
- Blue (47%)



- Cyan (0%)
- Magenta (11%)
- Yellow (19%)
- Black (42%)



- Cyan (42%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2331, 24.5451, 21.5496 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 24.2331, 24.5451, 21.5496 by changing the saturation by 10% instead.

■ 24.2331, 24.5451,
21.5496

■ 24.2331, 24.5451,
21.5496

266.4155,
275.5649, 273.0614

■ 15.6323, 15.7385,
13.3312

■ 49.8622, 50.9183,
46.8930

■ 9.3535, 9.3393,
7.5236

■ 67.6213, 69.2536,
64.8552

■ 5.0314, 4.9631,
3.7083

■ 89.1638, 91.5340,
86.9023

■ 2.3007, 2.2256,
1.4667

114.8551,
118.1437, 113.4529

■ 0.7950, 0.7339,
0.1929

145.0605,
149.4673, 144.9256

■ 0.0000, 0.0000,
0.0000

180.1455,

185.8891, 181.7389

220.4754,
227.7935, 224.3113

■ 24.2331, 24.5451,
21.5496

■ 24.2331, 24.5451,
21.5496

■ 22.2706, 21.9711,
16.7303

■ 26.4326, 27.3667,
27.1449

■ 20.5344, 19.6343,
12.6506

■ 28.8752, 30.4394,
33.5470

■ 19.0159, 17.5285,
9.2736

■ 31.5694, 33.7707,
40.7873

■ 17.7051, 15.6458,
6.5585

■ 34.5227, 37.3667,
48.8947

■ 16.5910, 13.9778,
4.4604

■ 37.7420, 41.2334,
57.8969

■ 15.6617, 12.5155,
2.9285

■ 41.2343, 45.3766,
67.8204

■ 14.9033, 11.2491,
1.9039

■ 45.0060, 49.8019,
78.6904

■ 14.2891, 10.1631,
1.2603

■ 49.0635, 54.5147,
90.5313

■ 14.2208, 10.0422,
1.1888

■ 53.3965, 59.5137,
103.2807

Harmonies

Analogous

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



25.1150, 24.5451, 23.3487



24.2331, 24.5451, 21.5496



23.1335, 24.5451, 21.0903

Triad

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



24.2331, 24.5451, 21.5496



21.2684, 24.5451, 27.2920



24.5837, 24.5451, 32.0311

Complementary

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



24.2331, 24.5451, 21.5496



22.2554, 24.1255, 31.9175

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.



23.5264, 24.5451, 33.2843



24.2331, 24.5451, 21.5496



21.6304, 24.5451, 30.4130

Square

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



24.2331, 24.5451, 21.5496



21.4442, 24.5451, 24.2506



22.4484, 24.5451, 32.6700



25.3219, 24.5451, 29.3632

Rectangle

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



24.2331, 24.5451, 21.5496



22.4299, 24.5451, 21.5716



22.4484, 24.5451, 32.6700



24.2526, 24.5451, 32.6410

Sweetspot

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



24.2338, 24.5462, 21.5501



48.4617, 50.4346, 51.5299



23.7713, 21.8803, 26.7631



10.6861, 11.1091, 11.2800



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



24.2338, 24.5462, 21.5501



41.7042, 41.7489, 34.3888



26.2277, 28.5340, 22.2148



5.9930, 6.1998, 6.1213



11.9972, 8.5088, 1.0100



0.1751, 0.1607, 0.0218

Inverse Universe

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



22.2554, 24.1255, 31.9175



37.4209, 40.8369, 56.8313



20.4346, 20.4839, 31.3106



5.7580, 6.1499, 7.3533



7.3380, 7.3707, 24.9670



0.1191, 0.1489, 0.3154

Previews

White Background



This preview shows how the XYZ color 24.2331, 24.5451, 21.5496 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 24.2331, 24.5451, 21.5496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

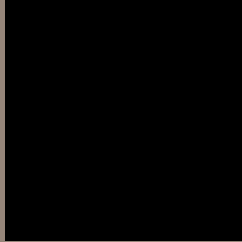
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2331, 24.5451, 21.5496

Background



This preview shows how black text looks on a background with the XYZ color 24.2331, 24.5451, 21.5496.



This preview shows how white text looks on a background with the XYZ color 24.2331, 24.5451,

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

24.2331, 24.5451, 21.5496

Protanopia

23.3322, 24.4839, 21.9085

Deuteranopia

24.8939, 24.4831, 21.5028



Tritanopia

25.4788, 24.4380, 28.1851

Trichromacy



Original Color

24.2331, 24.5451, 21.5496

Protanomaly

23.7150, 24.4751, 21.8866

Deuteranomaly

24.6513, 24.5584, 21.5301

Tritanomaly

24.9276, 24.4101, 25.5881

Monochromacy



Original Color

24.2331, 24.5451, 21.5496

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.7452, 24.6294, 24.9752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2331, 24.5451, 21.5496 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(149, 133, 121) looks like.

```
.text, #text, p{  
    color:rgb(149, 133, 121)  
}
```

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(149, 133, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 133, 121) }
```

Border

The CSS property to change the border of an element to XYZ 24.2331, 24.5451, 21.5496 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(149, 133, 121) }
```


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

```
.border{ border-color:rgb(149, 133, 121) }
```

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

Here you see how a box with a 4 pixel rgb(149, 133, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 133, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 133, 121);  
box-shadow:4px 4px 4px 4px rgb(149, 133,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2331, 24.5451, 21.5496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 133, 121) }
```

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

```
.background{ background-color: rgb(149,  
133, 121) }
```

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