

Converting Colors

XYZ(24.2801, 28.8231, 21.5735)

Have a look what the booklet for
XYZ(24.2801, 28.8231, 21.5735)
contains.

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Color

**XYZ(24.1711, 28.7510,
21.4151)**

Conversions

Conversions Part 1

Format	Color
Hex	859876
RGB	133, 152, 118
RGB Percent	52%, 60%, 46%
CMY	0.4784, 0.4039, 0.5372
CMYK	0.13, 0.00, 0.22, 0.40
HSL	94°, 14%, 53%
HSV	94°, 22%, 60%
XYZ	24.1711, 28.7510, 21.4151
YIQ	142.4430, -0.4100, -14.6020

Conversions

Conversions Part 2

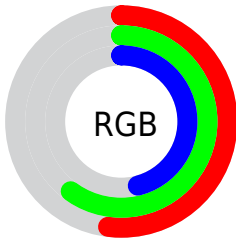
Format	Color
RYB	118, 152, 137
Decimal	8755318
CIELab	60.56, -13.23, 15.69
CIElCh	61, 20.523, 130.127
Yxy	28.7510, 0.3252, 0.3868
Android (android.graphics.Color)	4286945398 (0xFF859876)
YUV	142.4430, -12.0504, -8.2815
Hunter-Lab	53.6200, -13.3697, 13.8543

Details

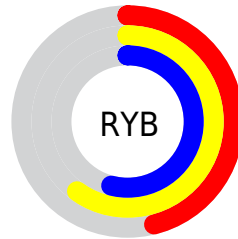
The XYZ color **24.1711, 28.7510, 21.4151** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.4636, 20.5430, 32.4885**, and the grayscale version is **25.9338, 27.2844, 29.7127**.

A 20% lighter version of the original color is **49.5767, 57.4840, 46.5128**, and **9.2951, 11.5760, 7.3747** is the 20% darker color. If you saturate the color by 10%, you get **22.0524, 27.7557, 16.9748**, and if you desaturate by 10%, it is **26.5454, 29.8629, 26.6285**.

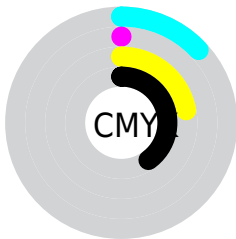
Distribution



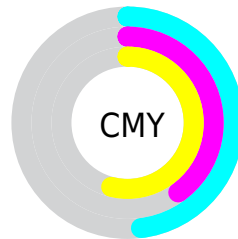
- Red (52%)
- Green (60%)
- Blue (46%)



- Red (46%)
- Yellow (60%)
- Blue (54%)



- Cyan (13%)
- Magenta (0%)
- Yellow (22%)
- Black (40%)



- Cyan (48%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1711, 28.7510, 21.4151 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 24.1711, 28.7510, 21.4151 by changing the saturation by 10% instead.

■ 24.1711, 28.7510,
21.4151

■ 24.1711, 28.7510,
21.4151

266.1088,
296.0383, 272.3295

■ 15.5860, 18.8925,
13.2336

■ 49.7619, 57.6812,
46.6671

■ 9.3207, 11.5927,
7.4570

■ 67.4983, 77.5218,
64.5746

■ 5.0097, 6.4670,
3.6667

■ 89.0159, 101.4585,
86.5612

■ 2.2878, 3.1310,
1.4444

114.6801,
129.8758, 113.0455

■ 0.7884, 1.2005,
0.1760

144.8561,
163.1580, 144.4459

■ 0.0000, 0.0621,
0.0000

179.9093,

■ 0.0000, 0.0000,

201.6896, 181.1810

0.0000

220.2051,
245.8549, 223.6694

■ 24.1711, 28.7510,
21.4151

■ 24.1711, 28.7510,
21.4151

■ 22.0524, 27.7557,
16.9748

■ 26.5454, 29.8629,
26.6285

■ 20.1776, 26.8693,
13.2689

■ 29.1820, 31.0917,
32.6474

■ 18.5371, 26.0886,
10.2582

■ 32.0901, 32.4421,
39.5046

■ 17.1201, 25.4088,
7.8992

■ 35.2779, 33.9177,
47.2308

■ 15.9144, 24.8249,
6.1434

■ 38.7530, 35.5220,
55.8547

■ 14.9066, 24.3310,
4.9355

■ 42.5229, 37.2580,
65.4041

■ 14.0811, 23.9206,
4.2101

■ 46.5947, 39.1288,
75.9053

■ 13.5471, 23.6528,
3.8514

■ 50.9753, 41.1376,
87.3838

■ 55.6713, 43.2871,
99.8639

Harmonies

Analogous

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



26.4403, 28.7510, 19.0188



24.1711, 28.7510, 21.4151



22.8072, 28.7510, 26.5991

Triad

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



24.1711, 28.7510, 21.4151



25.6302, 28.7510, 47.1424



32.6594, 28.7510, 28.8072

Complementary

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



24.1711, 28.7510, 21.4151



22.4636, 20.5430, 32.4885

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.



32.4076, 28.7510, 36.5355



24.1711, 28.7510, 21.4151



28.2332, 28.7510, 47.9910

Square

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



24.1711, 28.7510, 21.4151



23.6111, 28.7510, 41.6896



30.7462, 28.7510, 43.8492



31.4136, 28.7510, 22.8061

Rectangle

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



24.1711, 28.7510, 21.4151



22.5391, 28.7510, 31.3373



30.7462, 28.7510, 43.8492



32.7490, 28.7510, 31.2727

Sweetspot

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



24.1719, 28.7522, 21.4157



49.2293, 53.8169, 52.3778



25.1231, 25.7907, 20.7939



11.1340, 12.2062, 11.7788



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.1719, 28.7522, 21.4157



40.6799, 49.8165, 33.5915



22.0723, 27.6581, 21.8497



6.3778, 7.0522, 6.6309



11.3930, 19.8492, 3.2308



0.2112, 0.3178, 0.0502

Inverse Universe

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



22.4636, 20.5430, 32.4885



37.1022, 32.6274, 56.7759



24.9576, 21.8447, 31.8835



6.1980, 6.1880, 7.7967



7.9254, 3.5367, 25.1726



0.1602, 0.0744, 0.3783

Previews

White Background



This preview shows how the XYZ color 24.1711, 28.7510, 21.4151 looks on a white background.

Color Contrast Check

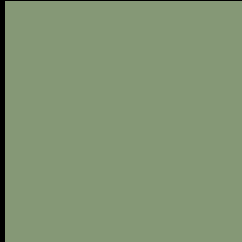
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1711, 28.7510, 21.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

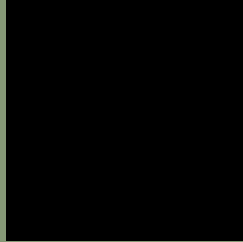
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.1711, 28.7510, 21.4151

Background



This preview shows how black text looks on a background with the XYZ color 24.1711, 28.7510, 21.4151.



This preview shows how white text looks on a background with the XYZ color 24.1711, 28.7510,

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

24.1711, 28.7510, 21.4151

Protanopia

26.8910, 28.7641, 20.3544

Deuteranopia

29.1304, 28.5472, 21.7441



Tritanopia

27.2527, 28.8250, 36.4752

Trichromacy



Original Color

24.1711, 28.7510, 21.4151

Protanomaly

25.7749, 28.6438, 20.6933

Deuteranomaly

27.0133, 28.3463, 21.5004

Tritanomaly

26.0219, 28.7964, 30.1734

Monochromacy



Original Color

24.1711, 28.7510, 21.4151

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.1600, 27.7402, 26.2186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1711, 28.7510, 21.4151 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(133, 152, 118)` looks like.

```
.text, #text, p{  
    color:rgb(133, 152, 118)  
}
```

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(133, 152, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 152, 118) }
```

Border

The CSS property to change the border of an element to XYZ 24.1711, 28.7510, 21.4151 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(133, 152, 118) }
```


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

```
.border{ border-color:rgb(133, 152, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 152, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 152, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 152, 118);  
box-shadow:4px 4px 4px 4px rgb(133, 152,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1711, 28.7510, 21.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 152, 118) }
```

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

```
.background{ background-color: rgb(133,  
152, 118) }
```

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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