

Converting Colors

XYZ(21.7011, 24.6786, 12.7986)

Have a look what the booklet for
XYZ(21.7011, 24.6786, 12.7986)
contains.

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Color

**XYZ(21.6415, 24.6588,
12.8515)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8B58
RGB	139, 139, 88
RGB Percent	55%, 55%, 35%
CMY	0.4549, 0.4549, 0.6549
CMYK	0.00, 0.00, 0.37, 0.45
HSL	60°, 22%, 45%
HSV	60°, 37%, 55%
XYZ	21.6415, 24.6588, 12.8515
YIQ	133.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

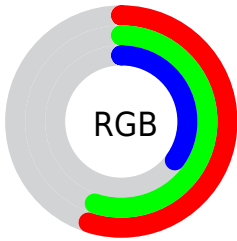
Format	Color
R_{YB}	88, 139, 88
Decimal	9145176
CIE _{Lab}	56.74, -8.22, 27.31
CIE _{LCh}	57, 28.521, 106.755
Yxy	24.6588, 0.3659, 0.4169
Android (android.graphics.Color)	4287335256 (0xFF8B8B58)
YUV	133.1860, -22.2767, 5.0989
Hunter-Lab	49.6576, -9.1080, 19.4160

Details

The XYZ color **21.6415, 24.6588, 12.8515** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.1754, 10.9189, 25.8934**, and the grayscale version is **22.4371, 23.6056, 25.7065**.

A 20% lighter version of the original color is **45.5022, 50.9008, 31.8527**, and **7.9971, 9.3796, 3.4868** is the 20% darker color. If you saturate the color by 10%, you get **21.1199, 24.4510, 10.1028**, and if you desaturate by 10%, it is **22.2742, 24.9128, 16.1795**.

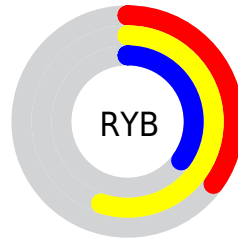
Distribution



Red (55%)

Green (55%)

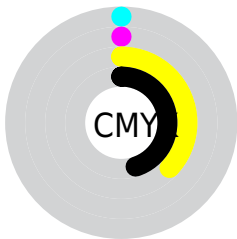
Blue (35%)



Red (35%)

Yellow (55%)

Blue (35%)

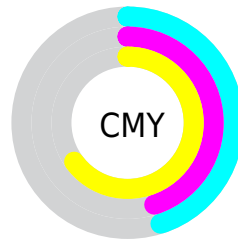


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (45%)



Cyan (45%)

Magenta (45%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6415, 24.6588, 12.8515 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 21.6415, 24.6588, 12.8515 by changing the saturation by 10% instead.

■ 21.6415, 24.6588,
12.8515

■ 21.6415, 24.6588,
12.8515

253.3360,
276.1345, 221.1380

■ 13.7088, 15.8230,
7.1968

■ 45.6360, 51.1032,
31.7240

■ 7.9988, 9.3990,
3.5052

■ 62.4286, 69.4805,
45.7789

■ 4.1460, 5.0023,
1.3580

■ 82.9052, 91.8072,
63.4710

■ 1.7850, 2.2486,
0.1086

■ 107.4312,
118.4677, 85.2189

■ 0.5086, 0.7463,
0.0000

■ 136.3719,
149.8462, 111.4409

■ 0.0000, 0.0000,
0.0000

170.0927,

186.3272, 142.5558

208.9590,
228.2952, 178.9820

■ 21.6415, 24.6588,
12.8515

■ 21.6415, 24.6588,
12.8515

■ 21.1199, 24.4510,
10.1028

■ 22.2742, 24.9128,
16.1795

■ 20.7012, 24.2835,
7.8989

■ 23.0219, 25.2119,
20.1157

■ 20.3791, 24.1547,
6.2041

■ 23.8905, 25.5593,
24.6889

■ 20.1460, 24.0614,
4.9777

■ 24.8851, 25.9572,
29.9254

■ 19.9930, 24.0001,
4.1727

■ 26.0104, 26.4074,
35.8503

■ 19.9047, 23.9648,
3.7087

■ 27.2710, 26.9116,
42.4873

■ 19.8794, 23.9547,
3.5760

■ 28.6710, 27.4716,
49.8589

■ 30.2147, 28.0891,
57.9867

■ 31.9059, 28.7656,
66.8914

Harmonies

Analogous

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



24.9336, 24.6588, 12.6746



21.6415, 24.6588, 12.8515



19.0803, 24.6588, 16.1533

Triad

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



21.6415, 24.6588, 12.8515



19.3229, 24.6588, 42.5249



30.2309, 24.6588, 31.2684

Complementary

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



21.6415, 24.6588, 12.8515



12.1754, 10.9189, 25.8934

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.



28.4121, 24.6588, 41.4558



21.6415, 24.6588, 12.8515



22.0024, 24.6588, 48.9180

Square

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



21.6415, 24.6588, 12.8515



17.8310, 24.6588, 32.4838



25.3301, 24.6588, 48.4860



30.1109, 24.6588, 21.9071

Rectangle

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



21.6415, 24.6588, 12.8515



18.0381, 24.6588, 20.2494



25.3301, 24.6588, 48.4860



29.8192, 24.6588, 34.7467

Sweetspot

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



21.6421, 24.6599, 12.8520



42.0463, 45.4756, 40.3420



15.8995, 13.1736, 10.9376



9.6464, 10.4619, 9.0744



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.6421, 24.6599, 12.8520



37.9683, 43.8443, 18.8735



17.8696, 22.7151, 12.6755



5.4310, 5.8449, 5.3943



17.9410, 21.6189, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



12.1754, 10.9189, 25.8934



18.4482, 15.5107, 45.7645



15.0252, 12.3880, 26.0268



4.7747, 4.8923, 6.2985



4.2062, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 21.6415, 24.6588, 12.8515 looks on a white background.

Color Contrast Check

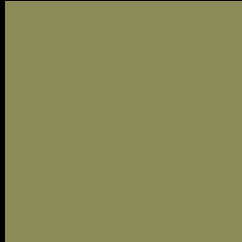
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6415, 24.6588, 12.8515 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 21.6415, 24.6588, 12.8515

Background



This preview shows how black text looks on a background with the XYZ color 21.6415, 24.6588, 12.8515.



This preview shows how white text looks on a background with the XYZ color 21.6415, 24.6588,

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

21.6415, 24.6588, 12.8515

Protanopia

22.7372, 24.5923, 12.5652

Deuteranopia

24.9324, 24.4900, 13.0858



Tritanopia

24.8862, 24.5054, 29.4050

Trichromacy



Original Color

21.6415, 24.6588, 12.8515

Protanomaly

22.3430, 24.5992, 12.5873

Deuteranomaly

23.5171, 24.3664, 12.9149

Tritanomaly

23.5668, 24.5976, 22.2446

Monochromacy



Original Color

21.6415, 24.6588, 12.8515

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.8665, 23.7632, 20.2639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6415, 24.6588, 12.8515 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(139, 139, 88)` looks like.

```
.text, #text, p{  
    color:rgb(139, 139, 88)  
}
```

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(139, 139, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 139, 88) }
```

Border

The CSS property to change the border of an element to XYZ 21.6415, 24.6588, 12.8515 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(139, 139, 88) }
```


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

```
.border{ border-color:rgb(139, 139, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 139, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 139, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 139, 88);  
box-shadow:4px 4px 4px 4px rgb(139, 139,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6415, 24.6588, 12.8515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 139, 88) }
```

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

```
.background{ background-color: rgb(139,  
139, 88) }
```

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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