

Converting Colors

XYZ(22.2424, 25.0094, 20.5061)

Have a look what the booklet for
XYZ(22.2424, 25.0094, 20.5061)
contains.

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Color

**XYZ(22.2618, 25.0271,
20.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	858C75
RGB	133, 140, 117
RGB Percent	52%, 55%, 46%
CMY	0.4784, 0.4510, 0.5412
CMYK	0.05, 0.00, 0.16, 0.45
HSL	78°, 9%, 50%
HSV	78°, 16%, 55%
XYZ	22.2618, 25.0271, 20.4870
YIQ	135.2850, 3.2110, -8.6370

Conversions

Conversions Part 2

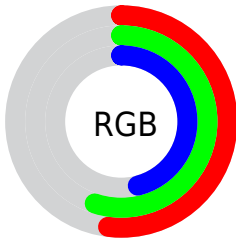
Format	Color
RYB	117, 140, 124
Decimal	8752245
CIELab	57.10, -6.89, 11.43
CIELCh	57, 13.346, 121.061
Yxy	25.0271, 0.3285, 0.3693
Android (android.graphics.Color)	4286942325 (0xFF858C75)
YUV	135.2850, -9.0145, -2.0039
Hunter-Lab	50.0271, -8.1158, 10.7386

Details

The XYZ color **22.2618, 25.0271, 20.4870** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.4082, 18.9018, 27.4379**, and the grayscale version is **23.1672, 24.3737, 26.5429**.

A 20% lighter version of the original color is **46.7029, 51.8872, 45.0899**, and **8.2976, 9.5810, 7.0422** is the 20% darker color. If you saturate the color by 10%, you get **20.8403, 24.3831, 16.4402**, and if you desaturate by 10%, it is **23.8351, 25.7366, 25.1847**.

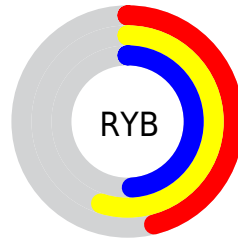
Distribution



Red (52%)

Green (55%)

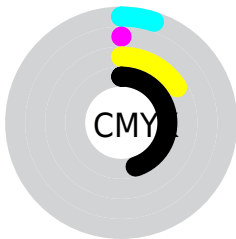
Blue (46%)



Red (46%)

Yellow (55%)

Blue (49%)

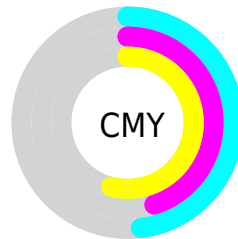


Cyan (5%)

Magenta (0%)

Yellow (16%)

Black (45%)



Cyan (48%)

Magenta (45%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2618, 25.0271, 20.4870 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 22.2618, 25.0271, 20.4870 by changing the saturation by 10% instead.

■ 22.2618, 25.0271,
20.4870

■ 22.2618, 25.0271,
20.4870

256.5172,
277.9729, 267.2304

■ 14.1671, 16.0972,
12.5620

■ 46.6540, 51.7012,
45.1018

■ 8.3194, 9.5930,
7.0004

■ 63.6821, 70.2142,
62.6287

■ 4.3535, 5.1299,
3.3839

■ 84.4187, 92.6904,
84.1933

■ 1.9040, 2.3237,
1.2939

109.2293,
119.5142, 110.2141

■ 0.5792, 0.7862,
0.0567

138.4790,
151.0699, 141.1096

■ 0.0000, 0.0000,
0.0000

172.5333,

187.7420, 177.2985

211.7576,
229.9149, 219.1992

■ 22.2618, 25.0271,
20.4870

■ 22.2618, 25.0271,
20.4870

■ 20.8403, 24.3831,
16.4402

■ 23.8351, 25.7366,
25.1847

■ 19.5628, 23.7991,
13.0139

■ 25.5637, 26.5105,
30.5585

■ 18.4238, 23.2735,
10.1778

■ 27.4533, 27.3521,
36.6345

■ 17.4167, 22.8037,
7.8984

■ 29.5087, 28.2633,
43.4366

■ 16.5340, 22.3867,
6.1389

■ 31.7348, 29.2461,
50.9878

■ 15.7676, 22.0192,
4.8579

■ 34.1358, 30.3021,
59.3102

■ 15.1082, 21.6974,
4.0078

■ 36.7161, 31.4333,
68.4246

■ 14.5405, 21.4152,
3.5107

■ 39.4799, 32.6412,
78.3513

■ 14.3487, 21.3194,
3.3588

■ 42.4310, 33.9275,
89.1099

Harmonies

Analogous

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



23.7316, 25.0271, 19.4790



22.2618, 25.0271, 20.4870



21.2391, 25.0271, 23.2723

Triad

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



22.2618, 25.0271, 20.4870



22.3546, 25.0271, 35.5498



26.9395, 25.0271, 27.0903

Complementary

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



22.2618, 25.0271, 20.4870



19.4082, 18.9018, 27.4379

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.



26.5320, 25.0271, 31.6574



22.2618, 25.0271, 20.4870



23.8435, 25.0271, 36.8543

Square

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



22.2618, 25.0271, 20.4870



21.2910, 25.0271, 31.9651



25.3814, 25.0271, 35.3588



26.4719, 25.0271, 23.0234

Rectangle

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



22.2618, 25.0271, 20.4870



20.9247, 25.0271, 25.9271



25.3814, 25.0271, 35.3588



26.9002, 25.0271, 28.6177

Sweetspot

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



22.2625, 25.0282, 20.4875



42.4078, 45.5463, 45.5847



21.2222, 21.2509, 19.8133



9.7298, 10.4761, 10.3752



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.



22.2625, 25.0282, 20.4875



38.2156, 43.6563, 33.1358



20.5593, 24.1502, 20.4078



5.2853, 5.7698, 5.3875



12.7693, 18.9528, 2.9852



0.0998, 0.1336, 0.0205

Inverse Universe

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



19.4082, 18.9018, 27.4379



32.1307, 30.5946, 47.9548



21.1520, 19.8008, 27.5195



4.9086, 4.9613, 6.3048



5.0957, 2.1410, 22.1904



0.0474, 0.0212, 0.1480

Previews

White Background



This preview shows how the XYZ color 22.2618, 25.0271, 20.4870 looks on a white background.

Color Contrast Check

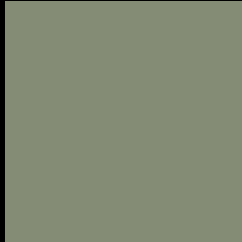
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2618, 25.0271, 20.4870 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

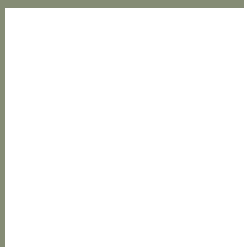
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2618, 25.0271, 20.4870

Background



This preview shows how black text looks on a background with the XYZ color 22.2618, 25.0271, 20.4870.



This preview shows how white text looks on a background with the XYZ color 22.2618, 25.0271,

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

22.2618, 25.0271, 20.4870

Protanopia

23.5418, 25.0584, 19.8156

Deuteranopia

25.4857, 25.0025, 20.9355



Tritanopia

24.3871, 25.0333, 31.1503

Trichromacy



Original Color

22.2618, 25.0271, 20.4870

Protanomaly

23.0561, 25.0134, 20.1359

Deuteranomaly

24.1467, 24.9319, 20.6792

Tritanomaly

23.5429, 24.9031, 26.8585

Monochromacy



Original Color

22.2618, 25.0271, 20.4870

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.6735, 24.5182, 23.9595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2618, 25.0271, 20.4870 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, 140, 117)` looks like.

```
.text, #text, p{  
    color:rgb(133, 140, 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(133, 140, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 140, 117) }
```

Border

The CSS property to change the border of an element to XYZ 22.2618, 25.0271, 20.4870 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, 140, 117) }
```


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

```
.border{ border-color:rgb(133, 140, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 140, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 140, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 140, 117);  
box-shadow:4px 4px 4px 4px rgb(133, 140,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2618, 25.0271, 20.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 140, 117) }
```

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

```
.background{ background-color: rgb(133,  
140, 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](#).

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