

Converting Colors

XYZ(22.5461, 24.0835, 24.5941)

Have a look what the booklet for
XYZ(22.5461, 24.0835, 24.5941)
contains.

XYZ(22.5248, 24.0080, 24.5659)	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(22.5248, 24.0080,
24.5659)**

Conversions

Conversions Part 1

Format	Color
Hex	868782
RGB	134, 135, 130
RGB Percent	53%, 53%, 51%
CMY	0.4745, 0.4706, 0.4902
CMYK	0.01, 0.00, 0.04, 0.47
HSL	72°, 2%, 52%
HSV	72°, 4%, 53%
XYZ	22.5248, 24.0080, 24.5659
YIQ	134.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

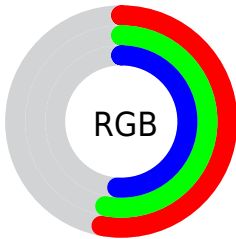
Format	Color
R_{YB}	130, 135, 131
Decimal	8816514
CIE Lab	56.10, -1.34, 2.55
CIE LCh	56, 2.879, 117.754
Yxy	24.0080, 0.3168, 0.3377
Android (android.graphics.Color)	4287006594 (0xFF868782)
YUV	134.1310, -2.0366, -0.1149
Hunter-Lab	48.9980, -3.6884, 4.5726

Details

The XYZ color **22.5248, 24.0080, 24.5659** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7167, 22.5404, 26.1290**, and the grayscale version is **22.7157, 23.8987, 26.0257**.

A 20% lighter version of the original color is **47.0240, 49.9501, 51.9627**, and **8.3899, 8.9759, 9.0749** is the 20% darker color. If you saturate the color by 10%, you get **21.2521, 23.4505, 20.0824**, and if you desaturate by 10%, it is **23.9288, 24.6208, 29.6773**.

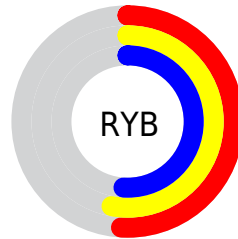
Distribution



Red (53%)

Green (53%)

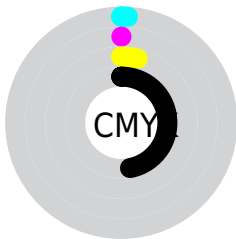
Blue (51%)



Red (51%)

Yellow (53%)

Blue (51%)

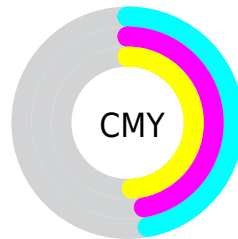


Cyan (1%)

Magenta (0%)

Yellow (4%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5248, 24.0080, 24.5659 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 22.5248, 24.0080, 24.5659 by changing the saturation by 10% instead.

■ 22.5248, 24.0080,
24.5659

■ 22.5248, 24.0080,
24.5659

257.8560,
272.8609, 289.0473

■ 14.3618, 15.3396,
15.5379

■ 47.0843, 50.0433,
51.9075

■ 8.4561, 9.0580,
9.0469

■ 64.2115, 68.1789,
71.0581

■ 4.4424, 4.7791,
4.6746

■ 85.0574, 90.2390,
94.4199

■ 1.9553, 2.1182,
2.0022

109.9874,
116.6080, 122.4116

■ 0.6087, 0.6748,
0.5567

139.3670,
147.6703, 155.4517

■ 0.0000, 0.0000,
0.0000

173.5613,

183.8103, 193.9586

212.9359,
225.4124, 238.3510

■ 22.5248, 24.0080,
24.5659

■ 22.5248, 24.0080,
24.5659

■ 21.2521, 23.4505,
20.0824

■ 23.9288, 24.6208,
29.6773

■ 20.1040, 22.9434,
16.2010

■ 25.4665, 25.2876,
35.4378

■ 19.0763, 22.4856,
12.8964

■ 27.1428, 26.0112,
41.8697

■ 18.1635, 22.0751,
10.1410

■ 28.9617, 26.7930,
48.9938

■ 17.3599, 21.7095,
7.9050

■ 30.9270, 27.6348,
56.8298

■ 16.6593, 21.3863,
6.1556

■ 33.0425, 28.5379,
65.3968

■ 16.0546, 21.1027,
4.8563

■ 35.3117, 29.5039,
74.7131

■ 15.5378, 20.8555,
3.9656

■ 37.7380, 30.5340,
84.7964

■ 15.0991, 20.6407,
3.4323

■ 40.3247, 31.6296,
95.6637

Harmonies

Analogous

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



22.8437, 24.0080, 24.3673



22.5248, 24.0080, 24.5659



22.2867, 24.0080, 25.1834

Triad

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



22.5248, 24.0080, 24.5659



22.4822, 24.0080, 27.7072



23.4585, 24.0080, 26.2119

Complementary

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



22.5248, 24.0080, 24.5659



21.7167, 22.5404, 26.1290

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.



23.3595, 24.0080, 27.1218



22.5248, 24.0080, 24.5659



22.7940, 24.0080, 27.9980

Square

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



22.5248, 24.0080, 24.5659



22.2622, 24.0080, 26.9957



23.1155, 24.0080, 27.7813



23.3848, 24.0080, 25.3038

Rectangle

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



22.5248, 24.0080, 24.5659



22.2047, 24.0080, 25.7572



23.1155, 24.0080, 27.7813



23.4443, 24.0080, 26.5278

Sweetspot

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



22.5255, 24.0090, 24.5664



40.9877, 43.2777, 46.3350



22.1380, 22.9959, 24.3913



9.4962, 10.0243, 10.7447



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.



22.5255, 24.0090, 24.5664



40.2448, 42.9532, 43.6625



22.1317, 23.8061, 24.5480



5.0849, 5.4359, 5.4817



13.6978, 18.9214, 2.9302



0.0532, 0.0685, 0.0104

Inverse Universe

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



21.7167, 22.5404, 26.1290



38.6504, 40.0578, 46.7432



22.1086, 22.7424, 26.1474



4.8605, 5.0285, 5.9152



4.4600, 1.8334, 21.2555



0.0204, 0.0089, 0.0739

Previews

White Background



This preview shows how the XYZ color 22.5248, 24.0080, 24.5659 looks on a white background.

Color Contrast Check

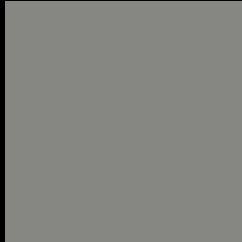
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5248, 24.0080, 24.5659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

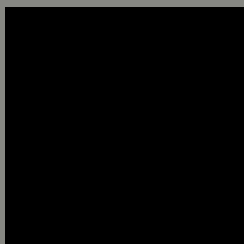
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

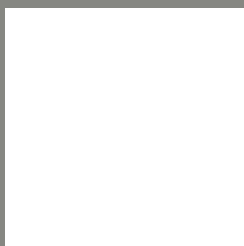
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5248, 24.0080, 24.5659

Background



This preview shows how black text looks on a background with the XYZ color 22.5248, 24.0080, 24.5659.



This preview shows how white text looks on a background with the XYZ color 22.5248, 24.0080,

24.5659.

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

22.5248, 24.0080, 24.5659

Protanopia

22.9688, 24.0384, 24.1982

Deuteranopia

24.4738, 23.9935, 24.8140



Tritanopia

23.4988, 23.9925, 29.3791

Trichromacy



Original Color

22.5248, 24.0080, 24.5659

Protanomaly

22.8041, 23.9535, 24.1905

Deuteranomaly

23.8496, 24.0705, 24.8618

Tritanomaly

23.1042, 24.0361, 27.4665

Monochromacy



Original Color

22.5248, 24.0080, 24.5659

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.5903, 23.8120, 25.5958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5248, 24.0080, 24.5659 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(134, 135, 130)` looks like.

```
.text, #text, p{  
    color:rgb(134, 135, 130)  
}
```

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(134, 135, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 135, 130) }
```

Border

The CSS property to change the border of an element to XYZ 22.5248, 24.0080, 24.5659 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(134, 135, 130) }
```


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

```
.border{ border-color:rgb(134, 135, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 135, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 135, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 135, 130);  
box-shadow:4px 4px 4px 4px rgb(134, 135,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5248, 24.0080, 24.5659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 135, 130) }
```

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

```
.background{ background-color: rgb(134,  
135, 130) }
```

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