

Converting Colors

XYZ(22.7222, 24.8894, 27.6513)

Have a look what the booklet for
XYZ(22.7222, 24.8894, 27.6513)
contains.

XYZ(22.7222, 24.8894, 27.6513)	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(22.7222, 24.8894,
27.6513)**

Conversions

Conversions Part 1

Format	Color
Hex	808B8A
RGB	128, 139, 138
RGB Percent	50%, 55%, 54%
CMY	0.4980, 0.4549, 0.4588
CMYK	0.08, 0.00, 0.01, 0.45
HSL	175°, 5%, 52%
HSV	175°, 8%, 55%
XYZ	22.7222, 24.8894, 27.6513
YIQ	135.5970, -6.2350, -2.6430

Conversions

Conversions Part 2

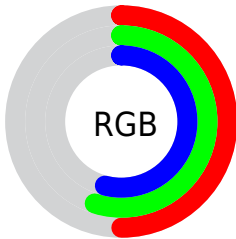
Format	Color
R_{YB}	128, 134, 139
Decimal	8424330
CIE _{Lab}	56.97, -4.20, -0.85
CIE _{LCh}	57, 4.281, 191.408
Yxy	24.8894, 0.3019, 0.3307
Android (android.graphics.Color)	4286614410 (0xFF808B8A)
YUV	135.5970, 1.1847, -6.6626
Hunter-Lab	49.8893, -6.0080, 2.0608

Details

The XYZ color **22.7222, 24.8894, 27.6513** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.3300, 22.5131, 23.9387**, and the grayscale version is **23.2491, 24.4599, 26.6368**.

A 20% lighter version of the original color is **47.3097, 51.2846, 56.6957**, and **8.5583, 9.5116, 10.6174** is the 20% darker color. If you saturate the color by 10%, you get **20.6820, 23.8489, 27.0806**, and if you desaturate by 10%, it is **25.0513, 26.0801, 28.2422**.

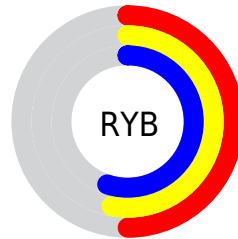
Distribution



Red (50%)

Green (55%)

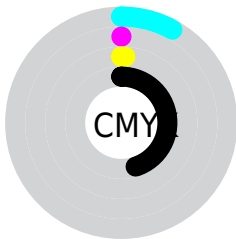
Blue (54%)



Red (50%)

Yellow (53%)

Blue (55%)

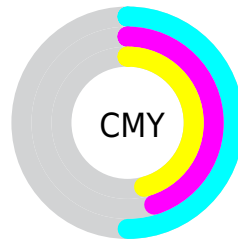


Cyan (8%)

Magenta (0%)

Yellow (1%)

Black (45%)



Cyan (50%)

Magenta (45%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7222, 24.8894, 27.6513 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 22.7222, 24.8894, 27.6513 by changing the saturation by 10% instead.

■ 22.7222, 24.8894,
27.6513

■ 22.7222, 24.8894,
27.6513

258.8570,
277.2867, 304.6563

■ 14.5081, 15.9947,
17.8262

■ 47.4068, 51.4777,
56.9436

■ 8.5589, 9.5204,
10.6571

■ 64.6080, 69.9401,
77.2480

■ 4.5094, 5.0821,
5.7255

■ 85.5356, 92.3606,
101.8824

■ 1.9942, 2.2955,
2.6128

110.5549,
119.1234, 131.2656

■ 0.6307, 0.7713,
0.8991

140.0314,
150.6130, 165.8161

■ 0.0000, 0.0000,
0.0000

174.3303,

187.2139, 205.9523

213.8171,
229.3103, 252.0928

■ 22.7222, 24.8894,
27.6513

■ 22.7222, 24.8894,
27.6513

■ 20.6820, 23.8489,
27.0806

■ 25.0513, 26.0801,
28.2422

■ 18.9171, 22.9494,
26.5278

■ 27.6782, 27.4235,
28.8521

■ 17.4158, 22.1858,
25.9928

■ 30.6138, 28.9260,
29.4820

■ 16.1648, 21.5510,
25.4751

■ 33.8681, 30.5926,
30.1325

■ 15.1495, 21.0377,
24.9740

■ 37.4504, 32.4282,
30.8040

■ 14.3542, 20.6376,
24.4886

■ 41.3698, 34.4375,
31.4970

■ 13.7608, 20.3414,
24.0181

■ 45.6350, 36.6248,
32.2118

■ 13.3485, 20.1386,
23.5616

■ 50.2542, 38.9946,
32.9489

■ 13.0745, 20.0069,
23.1170

■ 55.2356, 41.5510,
33.7087

Harmonies

Analogous

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



22.7527, 24.8894, 26.2277



22.7222, 24.8894, 27.6513



22.9394, 24.8894, 28.9719

Triad

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



22.7222, 24.8894, 27.6513



24.3014, 24.8894, 29.2289



23.9660, 24.8894, 24.5616

Complementary

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



22.7222, 24.8894, 27.6513



22.3300, 22.5131, 23.9387

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.



24.3886, 24.8894, 25.3112



22.7222, 24.8894, 27.6513



24.5842, 24.8894, 27.9921

Square

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



22.7222, 24.8894, 27.6513



23.8482, 24.8894, 29.9040



24.6163, 24.8894, 26.5567



23.4660, 24.8894, 24.4776

Rectangle

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



22.7222, 24.8894, 27.6513



23.1973, 24.8894, 29.6031



24.6163, 24.8894, 26.5567



24.1220, 24.8894, 24.7428

Sweetspot

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



22.7229, 24.8905, 27.6518



43.0752, 45.7904, 50.1338



22.1982, 24.6998, 24.0202



9.9385, 10.5578, 11.5553



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.



22.7229, 24.8905, 27.6518



40.1943, 44.3188, 49.3844



22.1714, 23.6707, 27.8276



5.1535, 5.6809, 6.3295



11.7548, 18.0345, 20.7974



0.0808, 0.1209, 0.1522

Inverse Universe

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



22.3300, 22.5131, 23.9387



39.3838, 39.4139, 41.7237



22.8503, 23.6596, 23.7851



5.0502, 5.0555, 5.3527



9.6767, 4.9808, 0.8017



0.0664, 0.0339, 0.0164

Previews

White Background



This preview shows how the XYZ color 22.7222, 24.8894, 27.6513 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 22.7222, 24.8894, 27.6513 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

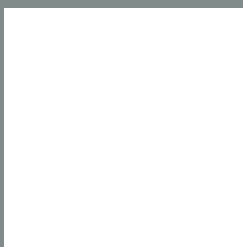
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.7222, 24.8894, 27.6513

Background



This preview shows how black text looks on a background with the XYZ color 22.7222, 24.8894, 27.6513.



This preview shows how white text looks on a background with the XYZ color 22.7222, 24.8894,

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

22.7222, 24.8894, 27.6513

Protanopia

23.8956, 24.8749, 26.8344

Deuteranopia

25.1242, 24.6625, 27.8622



Tritanopia

23.4969, 24.7753, 31.5607

Trichromacy



Original Color

22.7222, 24.8894, 27.6513

Protanomaly

23.4527, 24.8484, 27.2270

Deuteranomaly

24.3087, 24.8547, 27.9423

Tritanomaly

23.1758, 24.8577, 29.9621

Monochromacy



Original Color

22.7222, 24.8894, 27.6513

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1339, 24.6840, 27.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7222, 24.8894, 27.6513 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(128, 139, 138)` looks like.

```
.text, #text, p{  
    color:rgb(128, 139, 138)  
}
```

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(128, 139, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 139, 138) }
```

Border

The CSS property to change the border of an element to XYZ 22.7222, 24.8894, 27.6513 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(128, 139, 138) }
```


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

```
.border{ border-color:rgb(128, 139, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 139, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 139, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 139, 138);  
box-shadow:4px 4px 4px 4px rgb(128, 139,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7222, 24.8894, 27.6513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 139, 138) }
```

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

```
.background{ background-color: rgb(128,  
139, 138) }
```

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