

Converting Colors

XYZ(22.7213, 27.1072, 24.6797)

Have a look what the booklet for
XYZ(22.7213, 27.1072, 24.6797)
contains.

XYZ(22.8783, 27.2908, 24.8307)	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(22.8783, 27.2908,
24.8307)**

Conversions

Conversions Part 1

Format	Color
Hex	7B9581
RGB	123, 149, 129
RGB Percent	48%, 58%, 51%
CMY	0.5176, 0.4157, 0.4941
CMYK	0.17, 0.00, 0.13, 0.42
HSL	134°, 11%, 53%
HSV	134°, 17%, 58%
XYZ	22.8783, 27.2908, 24.8307
YIQ	138.9460, -9.0760, -11.7320

Conversions

Conversions Part 2

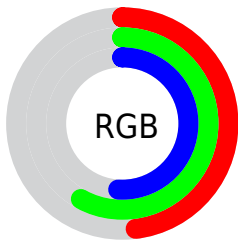
Format	Color
R_{YB}	123, 144, 149
Decimal	8099201
CIE _{Lab}	59.24, -13.29, 7.54
CIE _{LCh}	59, 15.282, 150.448
Yxy	27.2908, 0.3050, 0.3639
Android (android.graphics.Color)	4286289281 (0xFF7B9581)
YUV	138.9460, -4.9034, -13.9846
Hunter-Lab	52.2406, -13.2486, 8.3870

Details

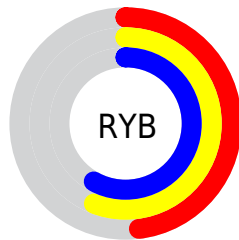
The XYZ color **22.8783, 27.2908, 24.8307** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.4363, 22.5394, 29.0505**, and the grayscale version is **24.5412, 25.8193, 28.1172**.

A 20% lighter version of the original color is **47.7039, 55.3194, 52.4194**, and **8.6397, 10.7704, 9.2130** is the 20% darker color. If you saturate the color by 10%, you get **20.1873, 25.9874, 20.9484**, and if you desaturate by 10%, it is **25.9808, 28.7979, 29.1797**.

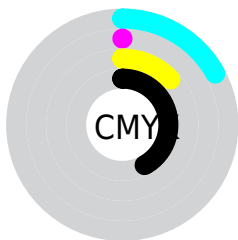
Distribution



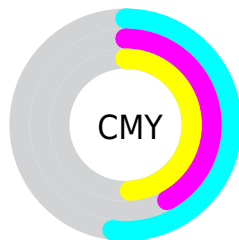
- Red (48%)
- Green (58%)
- Blue (51%)



- Red (48%)
- Yellow (56%)
- Blue (58%)



- Cyan (17%)
- Magenta (0%)
- Yellow (13%)
- Black (42%)



- Cyan (52%)
- Magenta (42%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8783, 27.2908, 24.8307 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 22.8783, 27.2908, 24.8307 by changing the saturation by 10% instead.

■ 22.8783, 27.2908,
24.8307

■ 22.8783, 27.2908,
24.8307

259.6463,
289.0624, 290.4144

■ 14.6239, 17.7917,
15.7331

■ 47.6615, 55.3502,
52.3431

■ 8.6404, 10.8006,
9.1832

■ 64.9211, 74.6792,
71.5951

■ 4.5626, 5.9329,
4.7624

■ 85.9130, 98.0538,
95.0688

■ 2.0251, 2.8043,
2.0523

111.0027,
125.8582, 123.1830

■ 0.6480, 1.0304,
0.5871

140.5556,
158.4769, 156.3561

■ 0.0000, 0.0000,
0.0000

174.9369,

196.2942, 195.0067

214.5120,
239.6946, 239.5533

■ 22.8783, 27.2908,
24.8307

■ 22.8783, 27.2908,
24.8307

■ 20.1873, 25.9874,
20.9484

■ 25.9808, 28.7979,
29.1797

■ 17.8880, 24.8757,
17.5153

■ 29.5089, 30.5135,
34.0082

■ 15.9626, 23.9475,
14.5159

■ 33.4787, 32.4463,
39.3309

■ 14.3907, 23.1928,
11.9327

■ 37.9051, 34.6038,
45.1615

■ 13.1502, 22.6003,
9.7473

■ 42.8020, 36.9927,
51.5128

■ 12.2162, 22.1579,
7.9397

■ 48.1827, 39.6197,
58.3974

■ 11.5601, 21.8511,
6.4883

■ 54.0602, 42.4914,
65.8274

■ 11.1342, 21.6559,
5.3686

■ 60.4469, 45.6136,
73.8145

■ 11.0422, 21.6136,
5.1323

■ 66.5762, 48.5912,
82.3336

Harmonies

Analogous

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



24.1250, 27.2908, 21.5502



22.8783, 27.2908, 24.8307



22.4425, 27.2908, 29.7972

Triad

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



22.8783, 27.2908, 24.8307



25.9678, 27.2908, 41.5016



29.2303, 27.2908, 24.7048

Complementary

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



22.8783, 27.2908, 24.8307



24.4363, 22.5394, 29.0505

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.



29.7812, 27.2908, 29.6330



22.8783, 27.2908, 24.8307



27.8420, 27.2908, 39.7187

Square

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



22.8783, 27.2908, 24.8307



24.1723, 27.2908, 39.8184



29.2614, 27.2908, 35.2012



27.7900, 27.2908, 21.4840

Rectangle

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



22.8783, 27.2908, 24.8307



22.6528, 27.2908, 33.5368



29.2614, 27.2908, 35.2012



29.5287, 27.2908, 26.1953

Sweetspot

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



22.8790, 27.2920, 24.8313



47.9406, 52.2584, 54.2076



25.7149, 28.7987, 22.9427



10.5388, 11.5396, 11.8954



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.8790, 27.2920, 24.8313



38.9689, 47.9030, 41.6049



23.7717, 27.6490, 29.5320



5.7812, 6.4891, 6.4586



9.3031, 18.1940, 4.3719



0.1236, 0.2266, 0.1048

Inverse Universe

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



24.4363, 22.5394, 29.0505



42.2995, 37.7366, 50.6271



23.5322, 22.1777, 24.2895



5.9787, 5.8865, 6.9938



13.0294, 6.4168, 14.1675



0.1707, 0.0830, 0.2323

Previews

White Background



This preview shows how the XYZ color 22.8783, 27.2908, 24.8307 looks on a white background.

Color Contrast Check

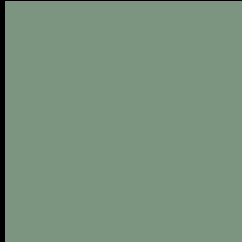
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8783, 27.2908, 24.8307 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

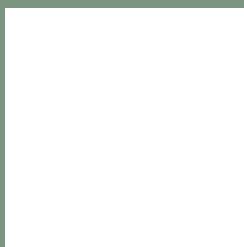
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8783, 27.2908, 24.8307

Background



This preview shows how black text looks on a background with the XYZ color 22.8783, 27.2908, 24.8307.



This preview shows how white text looks on a background with the XYZ color 22.8783, 27.2908,

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

22.8783, 27.2908, 24.8307

Protanopia

25.7691, 27.2162, 23.2971

Deuteranopia

27.5396, 27.0036, 25.2335



Tritanopia

25.1133, 27.2743, 35.8391

Trichromacy



Original Color

22.8783, 27.2908, 24.8307

Protanomaly

24.7065, 27.3326, 23.7122

Deuteranomaly

25.5868, 26.8645, 24.9559

Tritanomaly

24.1495, 27.1000, 31.5618

Monochromacy



Original Color

22.8783, 27.2908, 24.8307

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.8685, 26.3807, 26.7557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8783, 27.2908, 24.8307 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(123, 149, 129)` looks like.

```
.text, #text, p{  
    color:rgb(123, 149, 129)  
}
```

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(123, 149, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 149, 129) }
```

Border

The CSS property to change the border of an element to XYZ 22.8783, 27.2908, 24.8307 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(123, 149, 129) }
```


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

```
.border{ border-color:rgb(123, 149, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 149, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 149, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 149, 129); box-shadow:4px 4px 4px 4px rgb(123, 149, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8783, 27.2908, 24.8307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 149, 129) }
```

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

```
.background{ background-color: rgb(123,  
149, 129) }
```

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