

Converting Colors

XYZ(23.2710, 27.7798, 28.1248)

Have a look what the booklet for
XYZ(23.2710, 27.7798, 28.1248)
contains.

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Color

**XYZ(23.3998, 27.9613,
28.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	78978A
RGB	120, 151, 138
RGB Percent	47%, 59%, 54%
CMY	0.5294, 0.4078, 0.4588
CMYK	0.21, 0.00, 0.09, 0.41
HSL	155°, 13%, 53%
HSV	155°, 21%, 59%
XYZ	23.3998, 27.9613, 28.2085
YIQ	140.2490, -14.3030, -10.6150

Conversions

Conversions Part 2

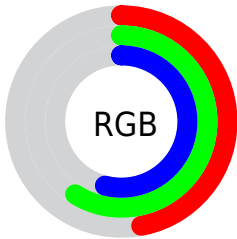
Format	Color
R_{YB}	120, 140, 151
Decimal	7903114
CIE _{Lab}	59.85, -13.58, 3.28
CIE _{LCh}	60, 13.975, 166.407
Y _{xy}	27.9613, 0.2941, 0.3514
Android (android.graphics.Color)	4286093194 (0xFF78978A)
YUV	140.2490, -1.1088, -17.7584
Hunter-Lab	52.8784, -13.5474, 5.3861

Details

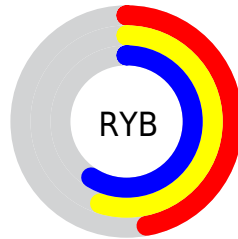
The XYZ color **23.3998, 27.9613, 28.2085** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.7136, 21.7064, 25.1315**, and the grayscale version is **25.0329, 26.3366, 28.6805**.

A 20% lighter version of the original color is **48.4689, 56.3085, 57.6043**, and **8.9172, 11.1585, 10.9163** is the 20% darker color. If you saturate the color by 10%, you get **21.0234, 26.7884, 25.7735**, and if you desaturate by 10%, it is **26.1348, 29.3175, 30.8011**.

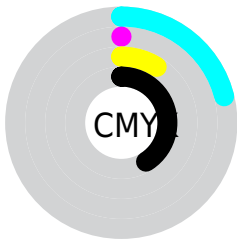
Distribution



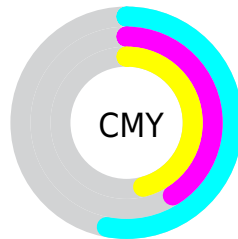
- Red (47%)
- Green (59%)
- Blue (54%)



- Red (47%)
- Yellow (55%)
- Blue (59%)



- Cyan (21%)
- Magenta (0%)
- Yellow (9%)
- Black (41%)



- Cyan (53%)
- Magenta (41%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3998, 27.9613, 28.2085 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 23.3998, 27.9613, 28.2085 by changing the saturation by 10% instead.

■ 23.3998, 27.9613,
28.2085

■ 23.3998, 27.9613,
28.2085

262.2690,
292.2819, 307.4051

■ 15.0113, 18.2965,
18.2425

■ 48.5108, 56.4227,
57.8443

■ 8.9137, 11.1631,
10.9530

■ 65.9640, 75.9880,
78.3511

■ 4.7416, 6.1766,
5.9214

■ 87.1696, 99.6223,
103.2086

■ 2.1296, 2.9528,
2.7294

112.4927,
127.7099, 132.8353

■ 0.7053, 1.1071,
0.9582

142.2989,
160.6353, 167.6497

■ 0.0000, 0.0000,
0.0000

176.9534,

198.7829, 208.0705

216.8217,
242.5369, 254.5161

■ 23.3998, 27.9613,
28.2085

■ 23.3998, 27.9613,
28.2085

■ 21.0234, 26.7884,
25.7735

■ 26.1348, 29.3175,
30.8011

■ 18.9873, 25.7872,
23.4911

■ 29.2409, 30.8611,
33.5523

■ 17.2753, 24.9500,
21.3587

■ 32.7330, 32.6004,
36.4657

■ 15.8686, 24.2673,
19.3729

■ 36.6242, 34.5423,
39.5442

■ 14.7465, 23.7285,
17.5302

■ 40.9272, 36.6932,
42.7904

■ 13.8856, 23.3215,
15.8269

■ 45.6540, 39.0592,
46.2070

■ 13.2585, 23.0323,
14.2590

■ 50.8162, 41.6463,
49.7967

■ 12.8151, 22.8335,
12.8934

■ 56.4249, 44.4602,
53.5618

■ 62.1573, 47.3344,
57.4894

Harmonies

Analogous

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



24.1839, 27.9613, 24.1993



23.3998, 27.9613, 28.2085



23.4396, 27.9613, 33.2858

Triad

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



23.3998, 27.9613, 28.2085



27.5506, 27.9613, 40.7996



28.9960, 27.9613, 23.9097

Complementary

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



23.3998, 27.9613, 28.2085



23.7136, 21.7064, 25.1315

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.



29.9812, 27.9613, 27.7708



23.3998, 27.9613, 28.2085



29.1216, 27.9613, 37.6826

Square

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



23.3998, 27.9613, 28.2085



25.7835, 27.9613, 40.9506



30.0282, 27.9613, 32.7969



27.3854, 27.9613, 21.9101

Rectangle

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



23.3998, 27.9613, 28.2085



23.9270, 27.9613, 36.6126



30.0282, 27.9613, 32.7969



29.4144, 27.9613, 25.0123

Sweetspot

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



23.4006, 27.9625, 28.2091



49.1718, 53.6783, 57.2959



24.1992, 28.5125, 21.9977



11.1030, 12.1641, 12.9575



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.4006, 27.9625, 28.2091



39.7117, 48.9905, 48.3144



24.0695, 27.7025, 33.3581



6.2749, 6.9827, 7.3712



10.9160, 19.4299, 11.0442



0.1813, 0.2977, 0.2605

Inverse Universe

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



23.7136, 21.7064, 25.1315



40.3846, 35.5535, 41.7065



23.1213, 21.8715, 20.7727



6.3109, 6.2635, 7.0172



11.6422, 5.9111, 4.6407



0.1916, 0.0954, 0.1619

Previews

White Background



This preview shows how the XYZ color 23.3998, 27.9613, 28.2085 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 23.3998, 27.9613, 28.2085 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 23.3998, 27.9613, 28.2085

Background



This preview shows how black text looks on a background with the XYZ color 23.3998, 27.9613, 28.2085.



This preview shows how white text looks on a background with the XYZ color 23.3998, 27.9613,

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

23.3998, 27.9613, 28.2085

Protanopia

26.5200, 27.7557, 26.5139

Deuteranopia

28.2643, 27.7296, 28.6736



Tritanopia

25.2472, 28.0030, 37.3321

Trichromacy



Original Color

23.3998, 27.9613, 28.2085

Protanomaly

25.1333, 27.7103, 26.9456

Deuteranomaly

26.1597, 27.5287, 28.3609

Tritanomaly

24.5833, 27.9728, 33.8094

Monochromacy



Original Color

23.3998, 27.9613, 28.2085

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.3063, 26.7971, 28.3174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3998, 27.9613, 28.2085 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(120, 151, 138)` looks like.

```
.text, #text, p{  
    color:rgb(120, 151, 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(120, 151, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 151, 138) }
```

Border

The CSS property to change the border of an element to XYZ 23.3998, 27.9613, 28.2085 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(120, 151, 138) }
```


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

```
.border{ border-color:rgb(120, 151, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 151, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 151, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 151, 138);  
box-shadow:4px 4px 4px 4px rgb(120, 151,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3998, 27.9613, 28.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 151, 138) }
```

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

```
.background{ background-color: rgb(120,  
151, 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](#).

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