

Converting Colors

XYZ(23.9846, 29.1808, 28.0675)

Have a look what the booklet for
XYZ(23.9846, 29.1808, 28.0675)
contains.

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Color

**XYZ(23.9824, 29.2419,
28.0472)**

Conversions

Conversions Part 1

Format	Color
Hex	789B89
RGB	120, 155, 137
RGB Percent	47%, 61%, 54%
CMY	0.5294, 0.3921, 0.4627
CMYK	0.23, 0.00, 0.12, 0.39
HSL	149°, 15%, 54%
HSV	149°, 23%, 61%
XYZ	23.9824, 29.2419, 28.0472
YIQ	142.4830, -15.0820, -13.0180

Conversions

Conversions Part 2

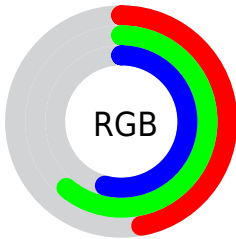
Format	Color
RYB	120, 144, 155
Decimal	7904137
CIELab	60.99, -15.92, 5.49
CIELCh	61, 16.842, 160.959
Yxy	29.2419, 0.2951, 0.3598
Android (android.graphics.Color)	4286094217 (0xFF789B89)
YUV	142.4830, -2.7031, -19.7176
Hunter-Lab	54.0758, -15.4686, 7.1014

Details

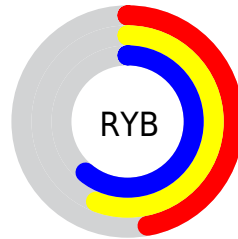
The XYZ color **23.9824, 29.2419, 28.0472** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.8224, 22.2371, 27.0298**, and the grayscale version is **25.9179, 27.2676, 29.6945**.

A 20% lighter version of the original color is **49.5744, 58.6951, 57.4316**, and **9.2691, 11.9283, 10.8307** is the 20% darker color. If you saturate the color by 10%, you get **21.4535, 28.0027, 25.0535**, and if you desaturate by 10%, it is **26.9032, 30.6799, 31.2811**.

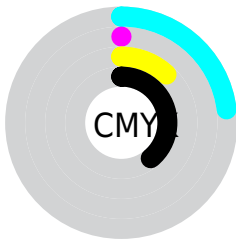
Distribution



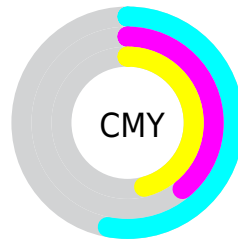
- Red (47%)
- Green (61%)
- Blue (54%)



- Red (47%)
- Yellow (56%)
- Blue (61%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (39%)



- Cyan (53%)
- Magenta (39%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9824, 29.2419, 28.0472 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 23.9824, 29.2419, 28.0472 by changing the saturation by 10% instead.

■ 23.9824, 29.2419,
28.0472

■ 23.9824, 29.2419,
28.0472

265.1736,
298.3546, 306.6114

■ 15.4452, 19.2639,
18.1219

■ 49.4564, 58.4612,
57.5838

■ 9.2208, 11.8611,
10.8672

■ 67.1239, 78.4713,
78.0322

■ 4.9437, 6.6492,
5.8646

■ 88.5655, 102.5942,
102.8253

■ 2.2487, 3.2437,
2.6954

114.1467,
131.2143, 132.3817

■ 0.7682, 1.2602,
0.9411

144.2327,
164.7160, 167.1200

■ 0.0000, 0.1101,
0.0000

179.1890,

■ 0.0000, 0.0000,

203.4837, 207.4587

0.0000

219.3808,
247.9017, 253.8163

■ 23.9824, 29.2419,
28.0472

■ 23.9824, 29.2419,
28.0472

■ 21.4535, 28.0027,
25.0535

■ 26.9032, 30.6799,
31.2811

■ 19.2965, 26.9495,
22.2924

■ 30.2299, 32.3214,
34.7586

■ 17.4930, 26.0741,
19.7589

■ 33.9789, 34.1754,
38.4856

■ 16.0224, 25.3656,
17.4468

■ 38.1649, 36.2496,
42.4669

■ 14.8616, 24.8124,
15.3499

■ 42.8017, 38.5509,
46.7075

■ 13.9842, 24.4009,
13.4614

■ 47.9026, 41.0861,
51.2122

■ 13.3592, 24.1155,
11.7742

■ 53.4806, 43.8618,
55.9855

■ 13.0016, 23.9557,
10.6463

■ 59.5477, 46.8841,
61.0318

■ 64.4394, 49.2948,
66.2771

Harmonies

Analogous

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



25.1110, 29.2419, 23.5365



23.9824, 29.2419, 28.0472



23.8428, 29.2419, 34.1993

Triad

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



23.9824, 29.2419, 28.0472



28.6058, 29.2419, 45.2806



31.1131, 29.2419, 24.5378

Complementary

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



23.9824, 29.2419, 28.0472



24.8224, 22.2371, 27.0298

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.



32.1583, 29.2419, 29.5907



23.9824, 29.2419, 28.0472



30.6607, 29.2419, 41.8961

Square

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



23.9824, 29.2419, 28.0472



26.4358, 29.2419, 44.7239



31.9885, 29.2419, 35.9590



29.1970, 29.2419, 21.7028

Rectangle

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



23.9824, 29.2419, 28.0472



24.3205, 29.2419, 38.4893



31.9885, 29.2419, 35.9590



31.5824, 29.2419, 26.0033

Sweetspot

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



23.9832, 29.2431, 28.0479



51.3304, 56.4961, 59.3548



25.6075, 30.2105, 22.2511



11.5464, 12.7521, 13.3595



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.9832, 29.2431, 28.0479



40.6238, 51.2275, 47.5239



25.3355, 29.7841, 35.1691



6.2509, 6.9731, 7.2446



10.4617, 19.2481, 8.6517



0.1747, 0.2951, 0.2256

Inverse Universe

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



24.8224, 22.2371, 27.0298



42.3924, 36.4620, 45.3777



23.6605, 21.7724, 20.9112



6.3347, 6.2731, 7.1429



12.0314, 6.0668, 6.6903



0.1982, 0.0980, 0.1968

Previews

White Background



This preview shows how the XYZ color 23.9824, 29.2419, 28.0472 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 23.9824, 29.2419, 28.0472 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 23.9824, 29.2419, 28.0472

Background



This preview shows how black text looks on a background with the XYZ color 23.9824, 29.2419, 28.0472.

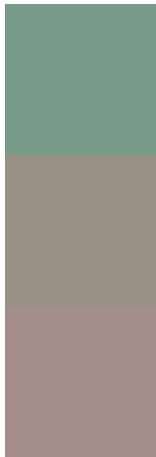


This preview shows how white text looks on a background with the XYZ color 23.9824, 29.2419,

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

23.9824, 29.2419, 28.0472

Protanopia

27.5806, 28.9960, 25.9729

Deuteranopia

29.7165, 29.1320, 28.8677



Tritanopia

26.1349, 29.1375, 38.8970

Trichromacy



Original Color

23.9824, 29.2419, 28.0472

Protanomaly

26.0350, 28.8788, 26.7562

Deuteranomaly

27.3067, 29.0274, 28.5897

Tritanomaly

25.2294, 29.0005, 34.8398

Monochromacy



Original Color

23.9824, 29.2419, 28.0472

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.9989, 27.8292, 28.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9824, 29.2419, 28.0472 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, 155, 137)` looks like.

```
.text, #text, p{  
    color:rgb(120, 155, 137)  
}
```

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, 155, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 155, 137) }
```

Border

The CSS property to change the border of an element to XYZ 23.9824, 29.2419, 28.0472 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, 155, 137) }
```


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

```
.border{ border-color:rgb(120, 155, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 155, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 155, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 155, 137);  
box-shadow:4px 4px 4px 4px rgb(120, 155,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9824, 29.2419, 28.0472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 155, 137) }
```

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

```
.background{ background-color: rgb(120,  
155, 137) }
```

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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