

Converting Colors

XYZ(23.3410, 27.9127, 28.5056)

Have a look what the booklet for
XYZ(23.3410, 27.9127, 28.5056)
contains.

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Color

**XYZ(23.3346, 27.9192,
28.5852)**

Conversions

Conversions Part 1

Format	Color
Hex	77978B
RGB	119, 151, 139
RGB Percent	47%, 59%, 55%
CMY	0.5333, 0.4078, 0.4549
CMYK	0.21, 0.00, 0.08, 0.41
HSL	157°, 13%, 53%
HSV	157°, 21%, 59%
XYZ	23.3346, 27.9192, 28.5852
YIQ	140.0640, -15.2200, -10.5160

Conversions

Conversions Part 2

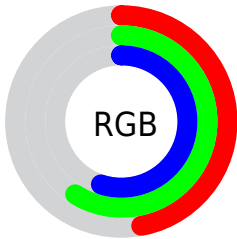
Format	Color
RYB	119, 139, 151
Decimal	7837579
CIELab	59.82, -13.71, 2.65
CIELCh	60, 13.965, 169.046
Yxy	27.9192, 0.2923, 0.3497
Android (android.graphics.Color)	4286027659 (0xFF77978B)
YUV	140.0640, -0.5246, -18.4731
Hunter-Lab	52.8386, -13.6384, 4.9117

Details

The XYZ color **23.3346, 27.9192, 28.5852** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.4571, 21.4125, 24.3707**, and the grayscale version is **24.9590, 26.2588, 28.5958**.

A 20% lighter version of the original color is **48.3590, 56.2391, 58.1756**, and **8.8861, 11.1377, 11.1326** is the 20% darker color. If you saturate the color by 10%, you get **21.0216, 26.7742, 26.3729**, and if you desaturate by 10%, it is **25.9999, 29.2449, 30.9271**.

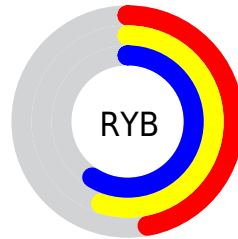
Distribution



Red (47%)

Green (59%)

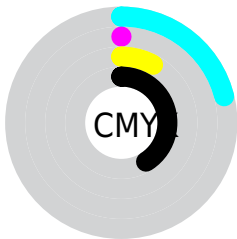
Blue (55%)



Red (47%)

Yellow (55%)

Blue (59%)

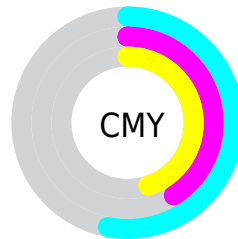


Cyan (21%)

Magenta (0%)

Yellow (8%)

Black (41%)



Cyan (53%)

Magenta (41%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3346, 27.9192, 28.5852 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 23.3346, 27.9192, 28.5852 by changing the saturation by 10% instead.

■ 23.3346, 27.9192,
28.5852

■ 23.3346, 27.9192,
28.5852

261.9423,
292.0806, 309.2522

■ 14.9628, 18.2648,
18.5244

■ 48.4048, 56.3554,
58.4517

■ 8.8794, 11.1402,
11.1538

■ 65.8339, 75.9060,
79.0945

■ 4.7191, 6.1612,
6.0549

■ 87.0128, 99.5240,
104.1016

■ 2.1165, 2.9434,
2.8092

112.3069,
127.5940, 133.8917

■ 0.6981, 1.1022,
0.9980

142.0816,
160.5002, 168.8833

■ 0.0000, 0.0000,
0.0000

176.7021,

198.6272, 209.4948

216.5339,
242.3592, 256.1450

■ 23.3346, 27.9192,
28.5852

■ 23.3346, 27.9192,
28.5852

■ 21.0216, 26.7742,
26.3729

■ 25.9999, 29.2449,
30.9271

■ 19.0428, 25.7982,
24.2859

■ 29.0299, 30.7554,
33.3991

■ 17.3817, 24.9836,
22.3223

■ 32.4395, 32.4589,
36.0039

■ 16.0198, 24.3209,
20.4795

■ 36.2417, 34.3623,
38.7439

■ 14.9364, 23.7994,
18.7547

■ 40.4491, 36.4720,
41.6212

■ 14.1079, 23.4071,
17.1449

■ 45.0737, 38.7941,
44.6377

■ 13.5068, 23.1298,
15.6470

■ 50.1269, 41.3345,
47.7956

■ 13.1041, 22.9490,
14.4160

■ 55.6198, 44.0988,
51.0969

■ 61.5630, 47.0925,
54.5433

Harmonies

Analogous

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



24.0492, 27.9192, 24.4500



23.3346, 27.9192, 28.5852



23.4488, 27.9192, 33.6907

Triad

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



23.3346, 27.9192, 28.5852



27.6620, 27.9192, 40.5701



28.8292, 27.9192, 23.6189

Complementary

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



23.3346, 27.9192, 28.5852



23.4571, 21.4125, 24.3707

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.



29.8837, 27.9192, 27.3295



23.3346, 27.9192, 28.5852



29.1894, 27.9192, 37.2429

Square

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



23.3346, 27.9192, 28.5852



25.8951, 27.9192, 41.0029



30.0184, 27.9192, 32.2885



27.1881, 27.9192, 21.8021

Rectangle

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



23.3346, 27.9192, 28.5852



23.9810, 27.9192, 36.9590



30.0184, 27.9192, 32.2885



29.2671, 27.9192, 24.6656

Sweetspot

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



23.3354, 27.9204, 28.5858



49.2296, 53.7014, 57.6002



23.7988, 28.3129, 21.6640



11.1174, 12.1698, 13.0330



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.



23.3354, 27.9204, 28.5858



39.9286, 49.0772, 49.4564



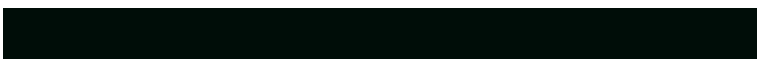
23.6698, 27.1079, 33.2642



6.2863, 6.9872, 7.4309



11.1617, 19.5281, 12.3378



0.1844, 0.2990, 0.2768

Inverse Universe

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



23.4571, 21.4125, 24.3707



40.1836, 35.4731, 40.6481



23.1431, 22.0119, 20.4823



6.2998, 6.2591, 6.9590



11.4908, 5.8506, 3.8437



0.1885, 0.0942, 0.1456

Previews

White Background



This preview shows how the XYZ color 23.3346, 27.9192, 28.5852 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 23.3346, 27.9192, 28.5852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

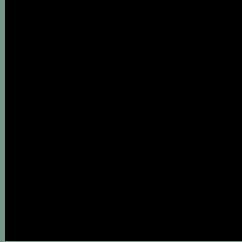
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3346, 27.9192, 28.5852

Background



This preview shows how black text looks on a background with the XYZ color 23.3346, 27.9192, 28.5852.

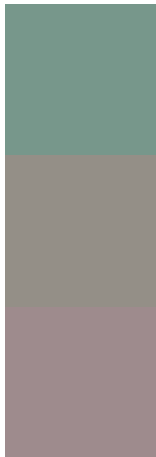


This preview shows how white text looks on a background with the XYZ color 23.3346, 27.9192,

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

23.3346, 27.9192, 28.5852

Protanopia

26.4084, 27.6901, 26.8745

Deuteranopia

28.1409, 27.6574, 29.0545



Tritanopia

25.1034, 27.9288, 37.3254

Trichromacy



Original Color

23.3346, 27.9192, 28.5852

Protanomaly

25.0393, 27.6537, 27.3105

Deuteranomaly

26.0577, 27.4677, 28.7393

Tritanomaly

24.4410, 27.8995, 33.8027

Monochromacy



Original Color

23.3346, 27.9192, 28.5852

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.2226, 26.7455, 28.6967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3346, 27.9192, 28.5852 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(119, 151, 139)` looks like.

```
.text, #text, p{  
    color:rgb(119, 151, 139)  
}
```

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(119, 151, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 151, 139) }
```

Border

The CSS property to change the border of an element to XYZ 23.3346, 27.9192, 28.5852 is called "border". The border property can be set on classes, ids or directly on the HTML element.

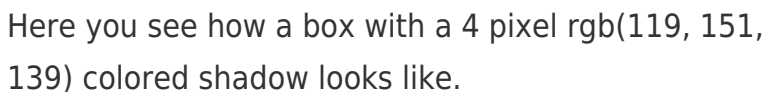
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 151, 139) }
```


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

```
.border{ border-color:rgb(119, 151, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 151, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 151, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 151, 139);  
box-shadow:4px 4px 4px 4px rgb(119, 151,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3346, 27.9192, 28.5852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 151, 139) }
```

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

```
.background{ background-color: rgb(119,  
151, 139) }
```

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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