

Converting Colors

XYZ(23.7582, 29.2759, 27.3518)

Have a look what the booklet for
XYZ(23.7582, 29.2759, 27.3518)
contains.

| | |
|--|----|
| XYZ(23.8694, 29.4481, 27.3477) | 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(23.8694, 29.4481,
27.3477)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 779C87 |
| RGB | 119, 156, 135 |
| RGB Percent | 47%, 61%, 53% |
| CMY | 0.5333, 0.3882, 0.4706 |
| CMYK | 0.24, 0.00, 0.13, 0.39 |
| HSL | 146°, 16%, 54% |
| HSV | 146°, 24%, 61% |
| XYZ | 23.8694, 29.4481, 27.3477 |
| YIQ | 142.5430, -15.3110, -14.3750 |

Conversions

Conversions Part 2

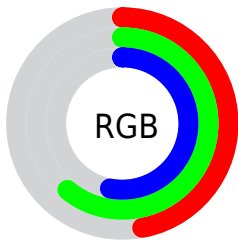
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 119, 145, 156 |
| Decimal | 7838855 |
| CIE _{Lab} | 61.18, -17.20, 6.87 |
| CIE _{LCh} | 61, 18.519, 158.215 |
| Yxy | 29.4481, 0.2959, 0.3651 |
| Android (android.graphics.Color) | 4286028935 (0xFF779C87) |
| YUV | 142.5430, -3.7187, -20.6472 |
| Hunter-Lab | 54.2661, -16.4510, 8.1068 |

Details

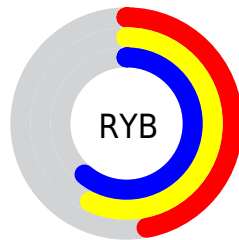
The XYZ color **23.8694, 29.4481, 27.3477** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.0418, 22.1558, 27.7689**, and the grayscale version is **25.9457, 27.2969, 29.7264**.

A 20% lighter version of the original color is **49.3846, 58.9900, 56.3603**, and **9.2171, 12.0611, 10.4366** is the 20% darker color. If you saturate the color by 10%, you get **21.3040, 28.1955, 24.1078**, and if you desaturate by 10%, it is **26.8397, 30.9051, 30.8785**.

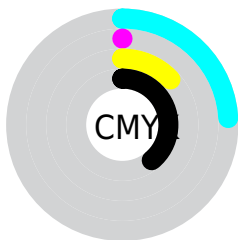
Distribution



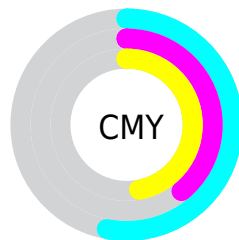
- Red (47%)
- Green (61%)
- Blue (53%)



- Red (47%)
- Yellow (57%)
- Blue (61%)



- Cyan (24%)
- Magenta (0%)
- Yellow (13%)
- Black (39%)



- Cyan (53%)
- Magenta (39%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8694, 29.4481, 27.3477 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 23.8694, 29.4481, 27.3477 by changing the saturation by 10% instead.

■ 23.8694, 29.4481,
27.3477

■ 23.8694, 29.4481,
27.3477

264.6123,
299.3234, 303.1500

■ 15.3610, 19.4201,
17.5998

■ 49.2732, 58.7883,
56.4518

■ 9.1611, 11.9742,
10.4966

■ 66.8993, 78.8692,
76.6451

■ 4.9044, 6.7261,
5.6195

■ 88.2954, 103.0699,
101.1572

■ 2.2254, 3.2914,
2.5501

113.8268,
131.7747, 130.4068

■ 0.7561, 1.2857,
0.8665

143.8588,
165.3681, 164.8123

■ 0.0000, 0.1301,
0.0000

178.7568,

■ 0.0000, 0.0000,

204.2344, 204.7923

0.0000

218.8862,
248.7580, 250.7654

■ 23.8694, 29.4481,
27.3477

■ 23.8694, 29.4481,
27.3477

■ 21.3040, 28.1955,
24.1078

■ 26.8397, 30.9051,
30.8785

■ 19.1228, 27.1342,
21.1494

■ 30.2298, 32.5716,
34.7054

■ 17.3066, 26.2555,
18.4654

■ 34.0565, 34.4568,
38.8359

■ 15.8337, 25.5482,
16.0478

■ 38.3351, 36.5687,
43.2767

■ 14.6801, 25.0000,
13.8880

■ 43.0802, 38.9145,
48.0341

■ 13.8180, 24.5970,
11.9769

■ 48.3056, 41.5013,
53.1144

■ 13.2149, 24.3225,
10.3049

■ 54.0247, 44.3358,
58.5236

■ 12.9159, 24.1887,
9.3705

■ 60.2501, 47.4244,
64.2677

■ 65.3553, 49.9285,
70.2757

Harmonies

Analogous

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



25.1963, 29.4481, 22.6537



23.8694, 29.4481, 27.3477



23.6132, 29.4481, 34.0151

Triad

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



23.8694, 29.4481, 27.3477



28.6628, 29.4481, 47.2230



31.8253, 29.4481, 24.4749

Complementary

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



23.8694, 29.4481, 27.3477



25.0418, 22.1558, 27.7689

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.



32.8757, 29.4481, 30.1889



23.8694, 29.4481, 27.3477



30.9820, 29.4481, 43.7746

Square

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



23.8694, 29.4481, 27.3477



26.2903, 29.4481, 46.1710



32.5584, 29.4481, 37.2935



29.7605, 29.4481, 21.1700

Rectangle

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



23.8694, 29.4481, 27.3477



24.0692, 29.4481, 38.8188



32.5584, 29.4481, 37.2935



32.3140, 29.4481, 26.1420

Sweetspot

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



23.8702, 29.4493, 27.3484



52.7100, 58.0776, 60.5938



26.1330, 30.7364, 22.0086



11.5260, 12.7439, 13.2519



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.



23.8702, 29.4493, 27.3484



41.0100, 52.3401, 46.7594



25.2401, 29.9973, 34.5620



6.6639, 7.4463, 7.6645



10.6551, 19.9300, 7.8066



0.2113, 0.3647, 0.2492

Inverse Universe

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



25.0418, 22.1558, 27.7689



43.4841, 36.9344, 47.6447



23.8260, 21.6695, 21.3668



6.7828, 6.7060, 7.7075



12.7802, 6.4167, 8.3597



0.2495, 0.1231, 0.2600

Previews

White Background



This preview shows how the XYZ color 23.8694, 29.4481, 27.3477 looks on a white background.

Color Contrast Check

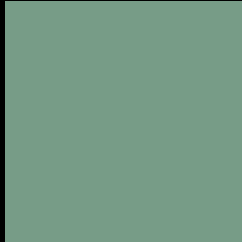
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8694, 29.4481, 27.3477 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

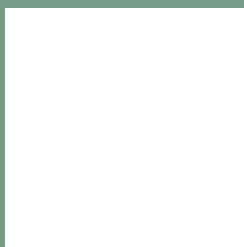
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8694, 29.4481, 27.3477

Background



This preview shows how black text looks on a background with the XYZ color 23.8694, 29.4481, 27.3477.



This preview shows how white text looks on a background with the XYZ color 23.8694, 29.4481,

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

23.8694, 29.4481, 27.3477

Protanopia

27.7894, 29.3492, 25.3194

Deuteranopia

29.7775, 29.1803, 28.1077



Tritanopia

26.3865, 29.4968, 39.4247

Trichromacy



Original Color

23.8694, 29.4481, 27.3477

Protanomaly

26.0557, 29.1414, 26.0814

Deuteranomaly

27.1618, 28.9695, 27.8270

Tritanomaly

25.3094, 29.2933, 34.4572

Monochromacy



Original Color

23.8694, 29.4481, 27.3477

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.1550, 28.1416, 28.9170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8694, 29.4481, 27.3477 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, 156, 135)` looks like.

```
.text, #text, p{  
    color:rgb(119, 156, 135)  
}
```

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, 156, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 156, 135) }
```

Border

The CSS property to change the border of an element to XYZ 23.8694, 29.4481, 27.3477 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, 156, 135) }
```


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

```
.border{ border-color:rgb(119, 156, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 156, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 156, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 156, 135);  
box-shadow:4px 4px 4px 4px rgb(119, 156,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8694, 29.4481, 27.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 156, 135) }
```

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

```
.background{ background-color: rgb(119,  
156, 135) }
```

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