

Converting Colors

XYZ(23.9059, 29.4764, 30.4650)

Have a look what the booklet for
XYZ(23.9059, 29.4764, 30.4650)
contains.

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Color

**XYZ(23.7858, 29.3375,
30.3957)**

Conversions

Conversions Part 1

Format	Color
Hex	729C8F
RGB	114, 156, 143
RGB Percent	45%, 61%, 56%
CMY	0.5529, 0.3882, 0.4392
CMYK	0.27, 0.00, 0.08, 0.39
HSL	161°, 18%, 53%
HSV	161°, 27%, 61%
XYZ	23.7858, 29.3375, 30.3957
YIQ	141.9600, -20.8590, -12.9470

Conversions

Conversions Part 2

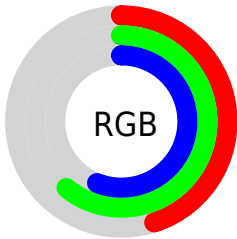
Format	Color
RYB	114, 139, 156
Decimal	7511183
CIELab	61.08, -17.15, 2.18
CIELCh	61, 17.286, 172.748
Yxy	29.3375, 0.2848, 0.3513
Android (android.graphics.Color)	4285701263 (0xFF729C8F)
YUV	141.9600, 0.5127, -24.5209
Hunter-Lab	54.1641, -16.4001, 4.6426

Details

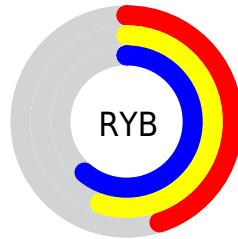
The XYZ color **23.7858, 29.3375, 30.3957** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.5594, 20.6356, 22.8211**, and the grayscale version is **25.6999, 27.0383, 29.4447**.

A 20% lighter version of the original color is **49.3087, 58.8352, 61.5808**, and **9.1417, 11.9835, 12.1871** is the 20% darker color. If you saturate the color by 10%, you get **21.5693, 28.2370, 28.4236**, and if you desaturate by 10%, it is **26.3658, 30.6251, 32.4683**.

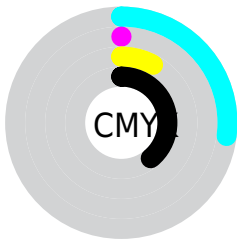
Distribution



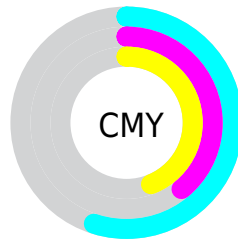
- Red (45%)
- Green (61%)
- Blue (56%)



- Red (45%)
- Yellow (55%)
- Blue (61%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (39%)



- Cyan (55%)
- Magenta (39%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7858, 29.3375, 30.3957 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 23.7858, 29.3375, 30.3957 by changing the saturation by 10% instead.

■ 23.7858, 29.3375,
30.3957

■ 23.7858, 29.3375,
30.3957

264.1964,
298.8041, 318.0091

■ 15.2987, 19.3363,
19.8845

■ 49.1377, 58.6129,
61.3558

■ 9.1170, 11.9135,
12.1279

■ 66.7331, 78.6558,
82.6418

■ 4.8753, 6.6848,
6.7072

■ 88.0954, 102.8148,
108.3564

■ 2.2083, 3.2658,
3.2040

■ 113.5898,
131.4742, 138.9184

■ 0.7471, 1.2720,
1.1997

143.5818,
165.0185, 174.7460

■ 0.0000, 0.1194,
0.0000

178.4366,

■ 0.0000, 0.0000,

203.8319, 216.2580

0.0000

218.5197,
248.2990, 263.8729

■ 23.7858, 29.3375,
30.3957

■ 23.7858, 29.3375,
30.3957

■ 21.5693, 28.2370,
28.4236

■ 26.3658, 30.6251,
32.4683

■ 19.6961, 27.3109,
26.5482

■ 29.3234, 32.1048,
34.6411

■ 18.1477, 26.5505,
24.7681

■ 32.6748, 33.7856,
36.9166

■ 16.9028, 25.9448,
23.0814

■ 36.4346, 35.6751,
39.2964

■ 15.9376, 25.4815,
21.4857

■ 40.6166, 37.7803,
41.7821

■ 15.2244, 25.1465,
19.9788

■ 45.2341, 40.1081,
44.3753

■ 14.7200, 24.9173,
18.5574

■ 50.2996, 42.6649,
47.0774

■ 14.5804, 24.8546,
18.1360

■ 55.8252, 45.4569,
49.8900

■ 61.8225, 48.4901,
52.8144

Harmonies

Analogous

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



24.5615, 29.3375, 24.9766



23.7858, 29.3375, 30.3957



24.0600, 29.3375, 37.0100

Triad

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



23.7858, 29.3375, 30.3957



29.6015, 29.3375, 44.8731



30.6029, 29.3375, 23.0134

Complementary

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



23.7858, 29.3375, 30.3957



23.5594, 20.6356, 22.8211

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.



32.0940, 29.3375, 27.3620



23.7858, 29.3375, 30.3957



31.4943, 29.3375, 40.0987

Square

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



23.7858, 29.3375, 30.3957



27.3386, 29.3375, 45.9731



32.4287, 29.3375, 33.5431



28.4375, 29.3375, 21.1051

Rectangle

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



23.7858, 29.3375, 30.3957



24.8088, 29.3375, 41.1735



32.4287, 29.3375, 33.5431



31.2043, 29.3375, 24.2076

Sweetspot

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



23.7866, 29.3387, 30.3964



52.5559, 57.9576, 62.4182



23.7238, 29.5282, 20.3691



11.3897, 12.6656, 13.6094



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.



23.7866, 29.3387, 30.3964



40.8236, 52.1026, 53.1385



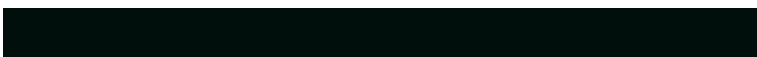
23.5781, 27.2528, 35.4715



6.7343, 7.4745, 8.0357



12.0253, 20.4781, 15.0221



0.2330, 0.3733, 0.3633

Inverse Universe

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



23.5594, 20.6356, 22.8211



40.3457, 33.7223, 37.1506



23.6712, 22.1291, 18.9437



6.7134, 6.6783, 7.3419



11.7516, 6.0052, 2.9428



0.2279, 0.1145, 0.1461

Previews

White Background



This preview shows how the XYZ color 23.7858, 29.3375, 30.3957 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 23.7858, 29.3375, 30.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

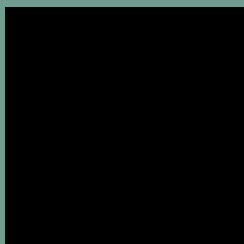
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

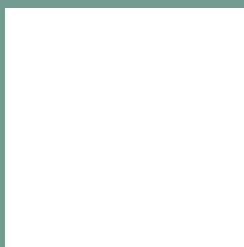
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7858, 29.3375, 30.3957

Background



This preview shows how black text looks on a background with the XYZ color 23.7858, 29.3375, 30.3957.

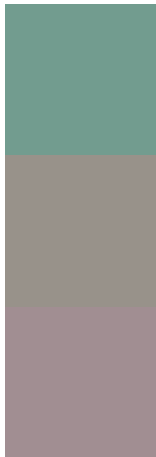


This preview shows how white text looks on a background with the XYZ color 23.7858, 29.3375,

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

23.7858, 29.3375, 30.3957

Protanopia

27.8152, 29.0681, 28.1894

Deuteranopia

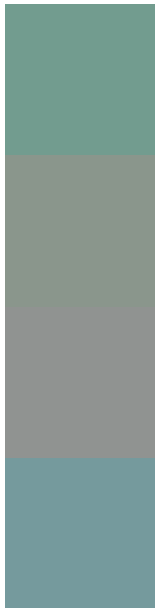
29.5593, 28.9984, 31.2334



Tritanopia

25.7905, 29.4210, 39.9168

Trichromacy



Original Color

23.7858, 29.3375, 30.3957

Protanomaly

26.1212, 29.1094, 29.0529

Deuteranomaly

27.0462, 28.8411, 30.9295

Tritanomaly

24.9775, 29.3274, 36.2426

Monochromacy



Original Color

23.7858, 29.3375, 30.3957

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.8319, 27.7260, 29.6340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7858, 29.3375, 30.3957 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(114, 156, 143)` looks like.

```
.text, #text, p{  
    color:rgb(114, 156, 143)  
}
```

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(114, 156, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 156, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.7858, 29.3375, 30.3957 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(114, 156, 143) }
```


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

```
.border{ border-color:rgb(114, 156, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 156, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 156, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 156, 143);  
box-shadow:4px 4px 4px 4px rgb(114, 156,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7858, 29.3375, 30.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 156, 143) }
```

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

```
.background{ background-color: rgb(114,  
156, 143) }
```

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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