

Converting Colors

XYZ(21.3574, 23.5251, 29.2511)

Have a look what the booklet for
XYZ(21.3574, 23.5251, 29.2511)
contains.

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Color

**XYZ(21.3698, 23.5134,
29.3988)**

Conversions

Conversions Part 1

Format	Color
Hex	77888F
RGB	119, 136, 143
RGB Percent	47%, 53%, 56%
CMY	0.5333, 0.4667, 0.4392
CMYK	0.17, 0.05, 0.00, 0.44
HSL	197°, 10%, 51%
HSV	197°, 17%, 56%
XYZ	21.3698, 23.5134, 29.3988
YIQ	131.7150, -12.3790, -1.4270

Conversions

Conversions Part 2

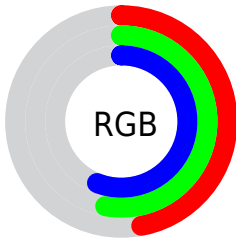
Format	Color
RYB	119, 129, 143
Decimal	7833743
CIELab	55.60, -4.57, -5.82
CIElCh	56, 7.404, 231.853
Yxy	23.5134, 0.2877, 0.3165
Android (android.graphics.Color)	4286023823 (0xFF77888F)
YUV	131.7150, 5.5635, -11.1511
Hunter-Lab	48.4906, -6.1937, -2.0028

Details

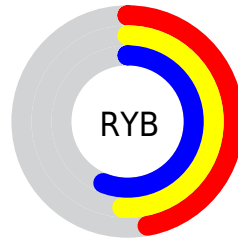
The XYZ color **21.3698, 23.5134, 29.3988** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.1185, 22.0932, 20.5518**, and the grayscale version is **21.8139, 22.9499, 24.9924**.

A 20% lighter version of the original color is **45.0702, 49.0843, 59.9221**, and **7.8294, 8.7480, 11.6318** is the 20% darker color. If you saturate the color by 10%, you get **18.9773, 21.4257, 29.1223**, and if you desaturate by 10%, it is **24.0818, 25.8010, 29.6978**.

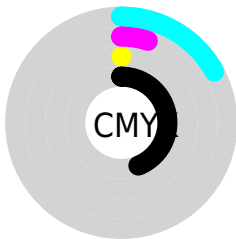
Distribution



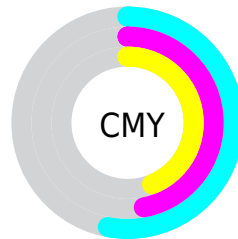
- Red (47%)
- Green (53%)
- Blue (56%)



- Red (47%)
- Yellow (51%)
- Blue (56%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (44%)



- Cyan (53%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3698, 23.5134, 29.3988 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 21.3698, 23.5134, 29.3988 by changing the saturation by 10% instead.

■ 21.3698, 23.5134,
29.3988

■ 21.3698, 23.5134,
29.3988

251.9320,
270.3511, 313.2116

■ 13.5086, 14.9731,
19.1345

■ 45.1888, 49.2350,
59.7598

■ 7.8591, 8.8005,
11.5897

■ 61.8774, 67.1850,
80.6937

■ 4.0560, 4.6113,
6.3458

■ 82.2390, 89.0403,
106.0211

■ 1.7338, 2.0210,
2.9843

106.6392,
115.1854, 136.1608

■ 0.4773, 0.6197,
1.0866

135.4432,
146.0046, 171.5311

■ 0.0000, 0.0000,
0.0000

169.0165,

181.8824, 212.5506

207.7243,
223.2031, 259.6380

■ 21.3698, 23.5134,
29.3988

■ 21.3698, 23.5134,
29.3988

■ 18.9773, 21.4257,
29.1223

■ 24.0818, 25.8010,
29.6978

■ 16.8889, 19.5277,
28.8660

■ 27.1240, 28.2924,
30.0183

■ 15.0909, 17.8126,
28.6297

■ 30.5087, 30.9951,
30.3616

■ 13.5676, 16.2718,
28.4126

■ 34.2473, 33.9153,
30.7282

■ 12.3019, 14.8962,
28.2138

■ 38.3506, 37.0588,
31.1187

■ 11.2744, 13.6754,
28.0323

■ 42.8288, 40.4313,
31.5336

■ 10.4630, 12.5975,
27.8670

■ 47.6917, 44.0383,
31.9736

■ 9.8306, 11.6430,
27.7161

■ 52.9488, 47.8849,
32.4389

■ 9.6412, 11.3497,
27.6695

■ 58.6093, 51.9762,
32.9303

Harmonies

Analogous

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



20.8887, 23.5134, 27.3555



21.3698, 23.5134, 29.3988



22.1216, 23.5134, 30.4388

Triad

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



21.3698, 23.5134, 29.3988



23.9793, 23.5134, 26.2606



21.7553, 23.5134, 21.5597

Complementary

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



21.3698, 23.5134, 29.3988



22.1185, 22.0932, 20.5518

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.



22.5775, 23.5134, 21.3070



21.3698, 23.5134, 29.3988



23.8753, 23.5134, 23.9252

Square

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



21.3698, 23.5134, 29.3988



23.6379, 23.5134, 28.5545



23.3572, 23.5134, 22.1472



21.1074, 23.5134, 22.8605

Rectangle

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



21.3698, 23.5134, 29.3988



22.6808, 23.5134, 30.3808



23.3572, 23.5134, 22.1472



22.0200, 23.5134, 21.3528

Sweetspot

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



21.3705, 23.5144, 29.3993



43.9981, 46.9273, 53.2770



21.1836, 25.0684, 23.3937



10.0142, 10.6990, 12.2095



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.3705, 23.5144, 29.3993



36.6460, 40.7082, 52.4640



19.7988, 20.3710, 28.8754



5.4293, 5.8543, 6.8726



8.5431, 10.0723, 24.4710



0.1007, 0.1344, 0.2403

Inverse Universe

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



22.3690, 20.8113, 26.1317



38.7878, 35.0342, 45.4271



23.7176, 25.2916, 21.0849



5.5601, 5.4846, 6.4477



12.1153, 6.0031, 11.5244



0.1254, 0.0612, 0.1608

Previews

White Background



This preview shows how the XYZ color 21.3698, 23.5134, 29.3988 looks on a white background.

Color Contrast Check

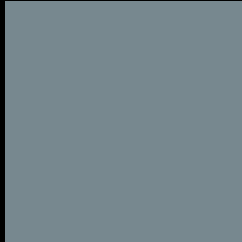
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3698, 23.5134, 29.3988 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

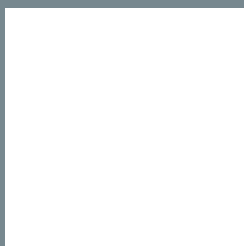
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3698, 23.5134, 29.3988

Background



This preview shows how black text looks on a background with the XYZ color 21.3698, 23.5134, 29.3988.



This preview shows how white text looks on a background with the XYZ color 21.3698, 23.5134,

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

21.3698, 23.5134, 29.3988

Protanopia

22.7318, 23.4122, 28.5202

Deuteranopia

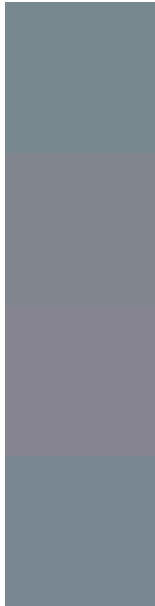
23.8688, 23.3769, 29.6397



Tritanopia

21.5980, 23.3963, 30.5717

Trichromacy



Original Color

21.3698, 23.5134, 29.3988

Protanomaly

22.1721, 23.3172, 28.9233

Deuteranomaly

22.9582, 23.5027, 29.7120

Tritanomaly

21.5205, 23.3653, 30.1638

Monochromacy



Original Color

21.3698, 23.5134, 29.3988

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5839, 23.0647, 26.6069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3698, 23.5134, 29.3988 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, 136, 143)` looks like.

```
.text, #text, p{  
    color:rgb(119, 136, 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(119, 136, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 136, 143) }
```

Border

The CSS property to change the border of an element to XYZ 21.3698, 23.5134, 29.3988 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, 136, 143) }
```


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

```
.border{ border-color:rgb(119, 136, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 136, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 136, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 136, 143);  
box-shadow:4px 4px 4px 4px rgb(119, 136,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3698, 23.5134, 29.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 136, 143) }
```

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

```
.background{ background-color: rgb(119,  
136, 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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