

Converting Colors

XYZ(12.3529, 13.8937, 21.7694)

Have a look what the booklet for
XYZ(12.3529, 13.8937, 21.7694)
contains.

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Color

**XYZ(12.3529, 13.8937,
21.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	4F6C7E
RGB	79, 108, 126
RGB Percent	31%, 42%, 49%
CMY	0.6902, 0.5765, 0.5059
CMYK	0.37, 0.14, 0.00, 0.51
HSL	203°, 23%, 40%
HSV	203°, 37%, 49%
XYZ	12.3529, 13.8937, 21.7694
YIQ	101.3810, -23.0620, -0.5500

Conversions

Conversions Part 2

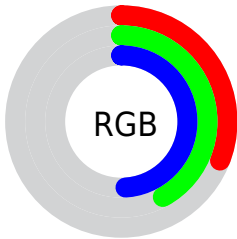
Format	Color
R_{YB}	79, 97, 126
Decimal	5205118
CIE Lab	44.08, -5.70, -13.36
CIE LCh	44, 14.526, 246.904
Yxy	13.8937, 0.2573, 0.2894
Android (android.graphics.Color)	4283395198 (0xFF4F6C7E)
YUV	101.3810, 12.1372, -19.6281
Hunter-Lab	37.2743, -6.0740, -8.5353

Details

The XYZ color **12.3529, 13.8937, 21.7694** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.2905, 13.5499, 9.2598**, and the grayscale version is **12.4423, 13.0903, 14.2553**.

A 20% lighter version of the original color is **29.7407, 32.7968, 47.4107**, and **3.5734, 4.1646, 7.6367** is the 20% darker color. If you saturate the color by 10%, you get **10.9077, 12.4143, 21.5603**, and if you desaturate by 10%, it is **14.0258, 15.5330, 21.9979**.

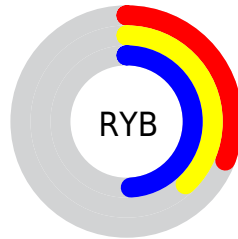
Distribution



Red (31%)

Green (42%)

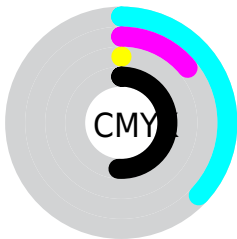
Blue (49%)



Red (31%)

Yellow (38%)

Blue (49%)

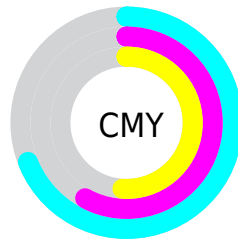


Cyan (37%)

Magenta (14%)

Yellow (0%)

Black (51%)



Cyan (69%)

Magenta (58%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3529, 13.8937, 21.7694 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 12.3529, 13.8937, 21.7694 by changing the saturation by 10% instead.

■ 12.3529, 13.8937,
21.7694

■ 12.3529, 13.8937,
21.7694

200.4503,
216.5685, 274.2538

■ 7.0584, 8.0468,
13.4909

■ 29.7475, 32.9003,
47.2619

■ 3.5453, 4.1249,
7.6327

■ 42.5784, 46.8288,
65.3129

■ 1.4483, 1.7437,
3.7765

■ 58.6521, 64.2198,
87.4584

■ 0.2902, 0.4517,
1.5035

■ 78.3339, 85.4579,
114.1171

■ 0.0000, 0.0000,
0.2206

■ 101.9893,
110.9275, 145.7075

■ 0.0000, 0.0000,
0.0000

129.9836,

141.0128, 182.6480

162.6822,
176.0984, 225.3572

■ 12.3529, 13.8937,
21.7694

■ 12.3529, 13.8937,
21.7694

■ 10.9077, 12.4143,
21.5603

■ 14.0258, 15.5330,
21.9979

■ 9.6773, 11.0864,
21.3688

■ 15.9360, 17.3368,
22.2454

■ 8.6491, 9.9032,
21.1946

■ 18.0939, 19.3114,
22.5128

■ 7.8089, 8.8567,
21.0369

■ 20.5091, 21.4624,
22.8007

■ 7.1403, 7.9377,
20.8948

■ 23.1905, 23.7950,
23.1096

■ 6.6081, 7.1274,
20.7664

■ 26.1466, 26.3141,
23.4400

■ 6.4724, 6.9192,
20.7334

■ 29.3855, 29.0246,
23.7925

■ 32.9150, 31.9310,
24.1674

■ 36.7425, 35.0377,
24.5654

Harmonies

Analogous

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



11.5071, 13.8937, 19.2802



12.3529, 13.8937, 21.7694



13.4745, 13.8937, 22.3661

Triad

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



12.3529, 13.8937, 21.7694



15.5367, 13.8937, 14.3757



11.9156, 13.8937, 10.5882

Complementary

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



12.3529, 13.8937, 21.7694



14.2905, 13.5499, 9.2598

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.



12.9402, 13.8937, 9.6487



12.3529, 13.8937, 21.7694



15.0634, 13.8937, 11.6192

Square

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



12.3529, 13.8937, 21.7694



15.3569, 13.8937, 17.7642



14.0965, 13.8937, 9.9965



11.2652, 13.8937, 12.7662

Rectangle

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



12.3529, 13.8937, 21.7694



14.2368, 13.8937, 21.5424



14.0965, 13.8937, 9.9965



12.2253, 13.8937, 10.1327

Sweetspot

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



12.3533, 13.8942, 21.7697



30.2927, 32.5799, 39.4363



12.8078, 17.4332, 13.8131



6.7974, 7.3257, 8.9588



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.3533, 13.8942, 21.7697



19.4963, 22.1620, 37.9945



10.2603, 9.7081, 21.0720



4.3124, 4.6188, 5.4775



6.6358, 7.0900, 21.2687



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1073, 11.1107, 15.5889



23.1596, 16.8309, 24.9773



16.7002, 18.3694, 10.0630



4.4305, 4.3854, 5.0715



10.2264, 5.1103, 7.7820



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3529, 13.8937, 21.7694 looks on a white 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

Black Background



This preview shows how the XYZ color 12.3529, 13.8937, 21.7694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

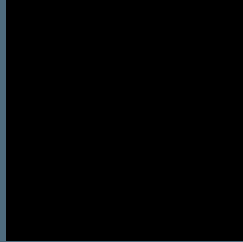
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3529, 13.8937, 21.7694

Background



This preview shows how black text looks on a background with the XYZ color 12.3529, 13.8937, 21.7694.

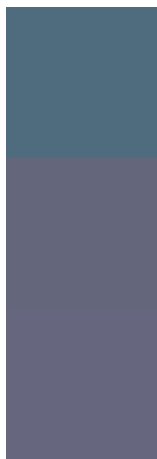


This preview shows how white text looks on a background with the XYZ color 12.3529, 13.8937,

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

12.3529, 13.8937, 21.7694

Protanopia

13.6809, 13.8399, 20.6892

Deuteranopia

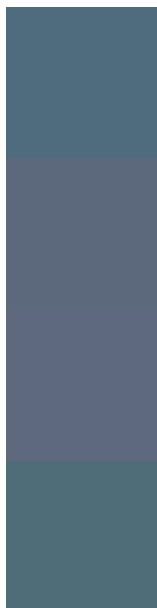
14.0616, 13.8598, 22.0128



Tritanopia

11.7992, 13.8231, 19.1858

Trichromacy



Original Color

12.3529, 13.8937, 21.7694

Protanomaly

13.1033, 13.8337, 21.0483

Deuteranomaly

13.3972, 13.8126, 22.0387

Tritanomaly

12.0617, 13.9375, 20.1436

Monochromacy



Original Color

12.3529, 13.8937, 21.7694

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2790, 13.3536, 16.6822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3529, 13.8937, 21.7694 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(79, 108, 126)` looks like.

```
.text, #text, p{  
    color:rgb(79, 108, 126)  
}
```

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(79, 108, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 108, 126) }
```

Border

The CSS property to change the border of an element to XYZ 12.3529, 13.8937, 21.7694 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(79, 108, 126) }
```


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

```
.border{ border-color:rgb(79, 108, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 108, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 108, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 108, 126);  
box-shadow:4px 4px 4px 4px rgb(79, 108,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3529, 13.8937, 21.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 108, 126) }
```

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

```
.background{ background-color: rgb(79, 108,  
126) }
```

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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