

Converting Colors

XYZ(11.2974, 13.1332, 21.3416)

Have a look what the booklet for
XYZ(11.2974, 13.1332, 21.3416)
contains.

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Color

**XYZ(11.3433, 13.2250,
21.3569)**

Conversions

Conversions Part 1

Format	Color
Hex	446B7D
RGB	68, 107, 125
RGB Percent	27%, 42%, 49%
CMY	0.7333, 0.5804, 0.5098
CMYK	0.46, 0.14, 0.00, 0.51
HSL	199°, 30%, 38%
HSV	199°, 46%, 49%
XYZ	11.3433, 13.2250, 21.3569
YIQ	97.3910, -29.0220, -2.6700

Conversions

Conversions Part 2

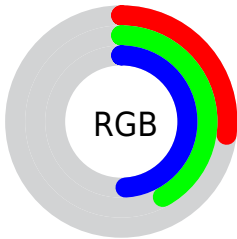
Format	Color
R_{YB}	68, 91, 125
Decimal	4483965
CIE Lab	43.10, -8.57, -14.31
CIE LCh	43, 16.679, 239.074
Yxy	13.2250, 0.2470, 0.2880
Android (android.graphics.Color)	4282674045 (0xFF446B7D)
YUV	97.3910, 13.6112, -25.7759
Hunter-Lab	36.3662, -7.9633, -9.3631

Details

The XYZ color **11.3433, 13.2250, 21.3569** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8290, 11.4334, 7.0000**, and the grayscale version is **11.4315, 12.0269, 13.0973**.

A 20% lighter version of the original color is **27.8705, 31.5900, 46.7480**, and **3.1174, 3.8551, 7.4173** is the 20% darker color. If you saturate the color by 10%, you get **10.1606, 12.0185, 21.1866**, and if you desaturate by 10%, it is **12.7315, 14.5659, 21.5428**.

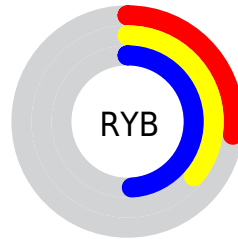
Distribution



Red (27%)

Green (42%)

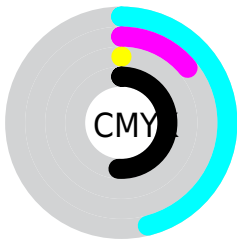
Blue (49%)



Red (27%)

Yellow (36%)

Blue (49%)

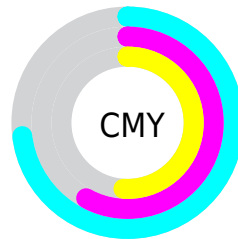


Cyan (46%)

Magenta (14%)

Yellow (0%)

Black (51%)



Cyan (73%)

Magenta (58%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3433, 13.2250, 21.3569 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 11.3433, 13.2250, 21.3569 by changing the saturation by 10% instead.

■ 11.3433, 13.2250,
21.3569

■ 11.3433, 13.2250,
21.3569

193.8679,
212.3547, 272.0123

■ 6.3672, 7.5837,
13.1914

■ 27.9206, 31.7074,
46.5692

■ 3.1124, 3.8297,
7.4282

■ 40.2526, 45.3173,
64.4531

■ 1.2135, 1.5788,
3.6488

■ 55.7672, 62.3521,
86.4135

■ 0.1170, 0.3432,
1.4347

■ 74.8299, 83.1963,
112.8690

■ 0.0000, 0.0000,
0.1686

■ 97.8059, 108.2343,
144.2380

■ 0.0000, 0.0000,
0.0000

125.0607,

137.8504, 180.9392

156.9596,
172.4291, 223.3911

■ 11.3433, 13.2250,
21.3569

■ 11.3433, 13.2250,
21.3569

■ 10.1606, 12.0185,
21.1866

■ 12.7315, 14.5659,
21.5428

■ 9.1701, 10.9383,
21.0303

■ 14.3352, 16.0459,
21.7439

■ 8.3586, 9.9776,
20.8876

■ 16.1650, 17.6710,
21.9612

■ 7.7105, 9.1278,
20.7578

■ 18.2305, 19.4466,
22.1950

■ 7.2003, 8.3756,
20.6395

■ 20.5407, 21.3777,
22.4460

■ 6.9919, 8.0610,
20.5897

■ 23.1042, 23.4690,
22.7146

■ 25.9291, 25.7250,
23.0011

■ 29.0230, 28.1499,
23.3061

■ 32.3934, 30.7480,
23.6300

Harmonies

Analogous

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



10.5332, 13.2250, 18.1163



11.3433, 13.2250, 21.3569



12.5301, 13.2250, 22.6899

Triad

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



11.3433, 13.2250, 21.3569



15.2037, 13.2250, 14.5144



11.4080, 13.2250, 9.0618

Complementary

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



11.3433, 13.2250, 21.3569



12.8290, 11.4334, 7.0000

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.



12.6099, 13.2250, 8.4238



11.3433, 13.2250, 21.3569



14.8536, 13.2250, 11.2299

Square

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



11.3433, 13.2250, 21.3569



14.8091, 13.2250, 18.3480



13.8820, 13.2250, 9.1460



10.5688, 13.2250, 11.0629

Rectangle

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



11.3433, 13.2250, 21.3569



13.3942, 13.2250, 22.1695



13.8820, 13.2250, 9.1460



11.7803, 13.2250, 8.6976

Sweetspot

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



11.3437, 13.2255, 21.3572



29.3894, 32.0295, 39.3777



11.3616, 16.5540, 11.2121



6.5420, 7.1608, 8.9404



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.



11.3437, 13.2255, 21.3572



18.0537, 21.3728, 37.9182



8.9110, 8.3600, 20.5463



4.3355, 4.6649, 5.4852



7.2909, 8.4003, 21.4871



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1788, 9.5562, 15.0603



21.9198, 14.3760, 24.4877



15.4735, 16.7223, 7.8815



4.4422, 4.3900, 5.1329



10.5571, 5.2425, 9.5232



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.3433, 13.2250, 21.3569 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 11.3433, 13.2250, 21.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

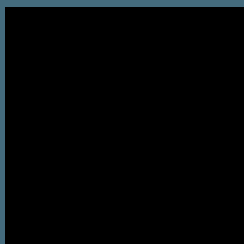
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.3433, 13.2250, 21.3569

Background



This preview shows how black text looks on a background with the XYZ color 11.3433, 13.2250, 21.3569.

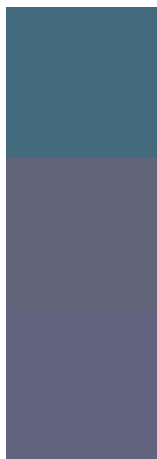


This preview shows how white text looks on a background with the XYZ color 11.3433, 13.2250,

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

11.3433, 13.2250, 21.3569

Protanopia

13.0346, 13.2292, 19.9557

Deuteranopia

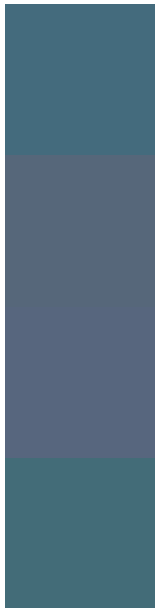
13.3296, 13.0527, 21.8955



Tritanopia

10.8202, 13.1677, 18.8010

Trichromacy



Original Color

11.3433, 13.2250, 21.3569

Protanomaly

12.2009, 13.0841, 20.2948

Deuteranomaly

12.4477, 13.0353, 21.5987

Tritanomaly

11.0675, 13.2745, 19.7482

Monochromacy



Original Color

11.3433, 13.2250, 21.3569

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.1453, 12.3473, 15.7058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3433, 13.2250, 21.3569 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(68, 107, 125) looks like.

```
.text, #text, p{  
    color:rgb(68, 107, 125)  
}
```

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(68, 107, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 107, 125) }
```

Border

The CSS property to change the border of an element to XYZ 11.3433, 13.2250, 21.3569 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(68, 107, 125) }
```


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

```
.border{ border-color:rgb(68, 107, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 107, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 107, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 107, 125);  
box-shadow:4px 4px 4px 4px rgb(68, 107,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3433, 13.2250, 21.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 107, 125) }
```

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

```
.background{ background-color: rgb(68, 107,  
125) }
```

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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