

Converting Colors

XYZ(10.1329, 11.5462, 21.7733)

Have a look what the booklet for
XYZ(10.1329, 11.5462, 21.7733)
contains.

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Color

**XYZ(10.1329, 11.5462,
21.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	3A647F
RGB	58, 100, 127
RGB Percent	23%, 39%, 50%
CMY	0.7725, 0.6078, 0.5020
CMYK	0.54, 0.21, 0.00, 0.50
HSL	203°, 37%, 36%
HSV	203°, 54%, 50%
XYZ	10.1329, 11.5462, 21.7733
YIQ	90.5200, -33.6990, -0.5070

Conversions

Conversions Part 2

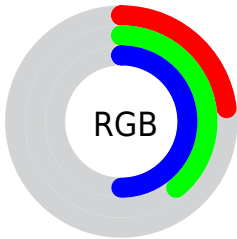
Format	Color
RYB	58, 84, 127
Decimal	3826815
CIELab	40.49, -6.39, -19.57
CIElCh	40, 20.582, 251.917
Yxy	11.5462, 0.2332, 0.2657
Android (android.graphics.Color)	4282016895 (0xFF3A647F)
YUV	90.5200, 17.9846, -28.5200
Hunter-Lab	33.9797, -6.2350, -14.2057

Details

The XYZ color **10.1329, 11.5462, 21.7733** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **12.7651, 11.3151, 5.5147**, and the grayscale version is **9.8017, 10.3122, 11.2300**.

A 20% lighter version of the original color is **25.7352, 28.7435, 47.3717**, and **2.6482, 3.0963, 7.6658** is the 20% darker color. If you saturate the color by 10%, you get **9.0215, 10.2873, 21.5891**, and if you desaturate by 10%, it is **11.4563, 12.9580, 21.9763**.

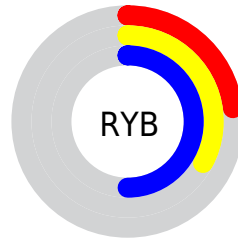
Distribution



Red (23%)

Green (39%)

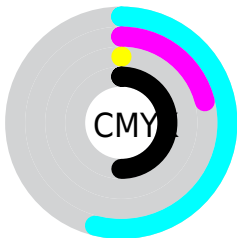
Blue (50%)



Red (23%)

Yellow (33%)

Blue (50%)

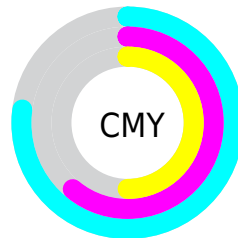


Cyan (54%)

Magenta (21%)

Yellow (0%)

Black (50%)



Cyan (77%)

Magenta (61%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1329, 11.5462, 21.7733 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 10.1329, 11.5462, 21.7733 by changing the saturation by 10% instead.

■ 10.1329, 11.5462,
21.7733

■ 10.1329, 11.5462,
21.7733

■ 185.6518,
201.3774, 274.2749

■ 5.5501, 6.4355,
13.4937

■ 25.6926, 28.6659,
47.2684

■ 2.6115, 3.1116,
7.6347

■ 37.4002, 41.4436,
65.3210

■ 0.9518, 1.1903,
3.7777

■ 52.2134, 57.5458,
87.4683

■ 0.0000, 0.0538,
1.5042

■ 70.4977, 77.3568,
114.1289

■ 0.0000, 0.0000,
0.2210

■ 92.6183, 101.2611,
145.7213

■ 0.0000, 0.0000,
0.0000

■ 118.9406,

129.6430, 182.6641

149.8300,
162.8870, 225.3758

■ 10.1329, 11.5462,
21.7733

■ 10.1329, 11.5462,
21.7733

■ 9.0215, 10.2873,
21.5891

■ 11.4563, 12.9580,
21.9763

■ 8.1068, 9.1720,
21.4220

■ 13.0034, 14.5289,
22.1979

■ 7.3731, 8.1916,
21.2715

■ 14.7862, 16.2659,
22.4392

■ 6.7987, 7.3341,
21.1362

■ 16.8155, 18.1753,
22.7008

■ 6.5060, 6.8827,
21.0645

■ 19.1015, 20.2631,
22.9833

■ 21.6536, 22.5348,
23.2873

■ 24.4809, 24.9957,
23.6133

■ 27.5920, 27.6510,
23.9619

■ 30.9950, 30.5054,
24.3335

Harmonies

Analogous

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



9.0308, 11.5462, 18.6841



10.1329, 11.5462, 21.7733



11.5591, 11.5462, 22.0949

Triad

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



10.1329, 11.5462, 21.7733



13.9290, 11.5462, 10.9967



9.2180, 11.5462, 7.5245

Complementary

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



10.1329, 11.5462, 21.7733



12.7651, 11.3151, 5.5147

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.



10.4096, 11.5462, 6.2743



10.1329, 11.5462, 21.7733



13.1783, 11.5462, 7.9633

Square

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



10.1329, 11.5462, 21.7733



13.8384, 11.5462, 15.2118



11.8611, 11.5462, 6.4150



8.5355, 11.5462, 10.2565

Rectangle

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



10.1329, 11.5462, 21.7733



12.5125, 11.5462, 20.6240



11.8611, 11.5462, 6.4150



9.5676, 11.5462, 6.9472

Sweetspot

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



10.1333, 11.5466, 21.7736



29.3294, 31.8196, 40.5523



10.9526, 16.7258, 11.1319



6.7181, 7.3109, 9.4754



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.1333, 11.5466, 21.7736



15.7622, 17.9570, 38.5916



7.5273, 6.3347, 20.9049



4.3095, 4.6131, 5.4765



6.5601, 6.9386, 21.2435



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5661, 8.4587, 13.0274



20.7995, 12.5523, 20.2601



16.1073, 17.9996, 6.6288



4.4291, 4.3848, 5.0639



10.1882, 5.0950, 7.5807



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.1329, 11.5462, 21.7733 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 10.1329, 11.5462, 21.7733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

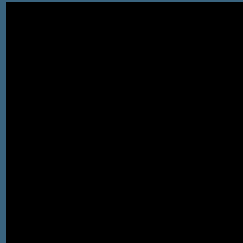
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1329, 11.5462, 21.7733

Background



This preview shows how black text looks on a background with the XYZ color 10.1329, 11.5462, 21.7733.

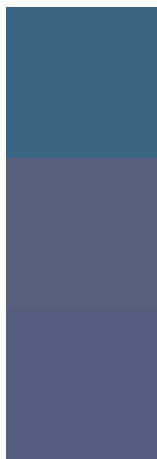


This preview shows how white text looks on a background with the XYZ color 10.1329, 11.5462,

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

10.1329, 11.5462, 21.7733

Protanopia

11.6024, 11.5102, 20.3491

Deuteranopia

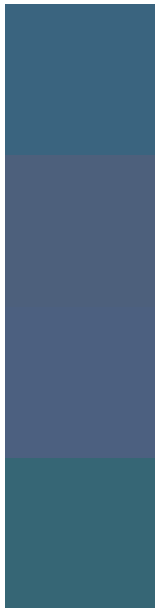
11.7367, 11.5424, 22.0314



Tritanopia

9.1357, 11.5783, 16.7923

Trichromacy



Original Color

10.1329, 11.5462, 21.7733

Protanomaly

10.8815, 11.3988, 20.6954

Deuteranomaly

11.0596, 11.4608, 22.0513

Tritanomaly

9.4836, 11.5714, 18.5633

Monochromacy



Original Color

10.1329, 11.5462, 21.7733

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.7258, 10.6671, 14.6431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1329, 11.5462, 21.7733 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(58, 100, 127)` looks like.

```
.text, #text, p{  
    color:rgb(58, 100, 127)  
}
```

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(58, 100, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 100, 127) }
```

Border

The CSS property to change the border of an element to XYZ 10.1329, 11.5462, 21.7733 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(58, 100, 127) }
```


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

```
.border{ border-color:rgb(58, 100, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 100, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 100, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 100, 127);  
box-shadow:4px 4px 4px 4px rgb(58, 100,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1329, 11.5462, 21.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 100, 127) }
```

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

```
.background{ background-color: rgb(58, 100,  
127) }
```

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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