

Converting Colors

XYZ(12.1962, 15.4303, 21.8296)

Have a look what the booklet for
XYZ(12.1962, 15.4303, 21.8296)
contains.

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Color

**XYZ(12.2300, 15.4943,
21.7481)**

Conversions

Conversions Part 1

Format	Color
Hex	3F767D
RGB	63, 118, 125
RGB Percent	25%, 46%, 49%
CMY	0.7529, 0.5372, 0.5098
CMYK	0.50, 0.06, 0.00, 0.51
HSL	187°, 33%, 37%
HSV	187°, 50%, 49%
XYZ	12.2300, 15.4943, 21.7481
YIQ	102.3530, -35.0270, -9.4830

Conversions

Conversions Part 2

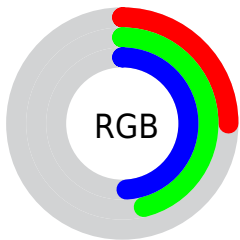
Format	Color
RYB	63, 92, 125
Decimal	4159101
CIELab	46.30, -16.13, -9.49
CIElCh	46, 18.711, 210.474
Yxy	15.4943, 0.2472, 0.3132
Android (android.graphics.Color)	4282349181 (0xFF3F767D)
YUV	102.3530, 11.1650, -34.5126
Hunter-Lab	39.3628, -13.4250, -5.2040

Details


The XYZ color **12.2300, 15.4943, 21.7481** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5451, 9.0994, 5.8509**, and the grayscale version is **12.7003, 13.3618, 14.5509**.

A 20% lighter version of the original color is **29.4808, 35.6086, 47.4388**, and **3.4577, 4.7910, 7.5800** is the 20% darker color. If you saturate the color by 10%, you get **11.3558, 14.7991, 21.6603**, and if you desaturate by 10%, it is **13.2890, 16.2891, 21.8460**.

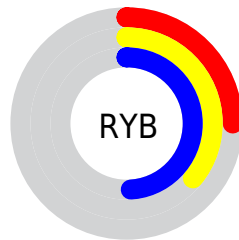
Distribution



 Red (25%)

 Green (46%)

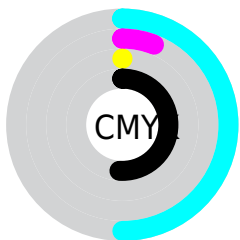
 Blue (49%)




 Red (25%)

 Yellow (36%)

 Blue (49%)

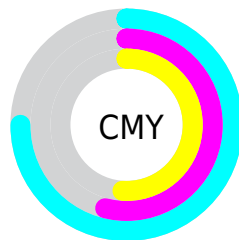


 Cyan (50%)

 Magenta (6%)

 Yellow (0%)

 Black (51%)



 Cyan (75%)

 Magenta (54%)

 Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2300, 15.4943, 21.7481 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 12.2300, 15.4943, 21.7481 by changing the saturation by 10% instead.

■ 12.2300, 15.4943,
21.7481

■ 12.2300, 15.4943,
21.7481

199.6610,
226.3389, 274.1384

■ 6.9738, 9.1670,
13.4754

■ 29.5266, 35.7180,
47.2261

■ 3.4919, 4.8503,
7.6221

■ 42.2976, 50.3833,
65.2686

■ 1.4189, 2.1597,
3.7698

■ 58.3044, 68.5966,
87.4046

■ 0.2696, 0.6979,
1.5000

■ 77.9122, 90.7425,
114.0528

■ 0.0000, 0.0000,
0.2179

■ 101.4865,
117.2053, 145.6318

■ 0.0000, 0.0000,
0.0000

129.3924,

148.3693, 182.5600

161.9955,
184.6191, 225.2560

■ 12.2300, 15.4943,
21.7481

■ 12.2300, 15.4943,
21.7481

■ 11.3558, 14.7991,
21.6603

■ 13.2890, 16.2891,
21.8460

■ 10.6524, 14.1954,
21.5808

■ 14.5425, 17.1876,
21.9533

■ 10.1064, 13.6764,
21.5094

■ 16.0015, 18.1957,
22.0710

■ 9.7015, 13.2337,
21.4453

■ 17.6756, 19.3184,
22.1995

■ 9.3866, 12.8412,
21.3861

■ 19.5737, 20.5604,
22.3392

■ 9.3742, 12.8256,
21.3838

■ 21.7044, 21.9260,
22.4905

■ 24.0757, 23.4195,
22.6538

■ 26.6953, 25.0448,
22.8294

■ 29.5704, 26.8056,
23.0177

Harmonies

Analogous

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



11.8582, 15.4943, 16.9437



12.2300, 15.4943, 21.7481



13.2614, 15.4943, 25.7629

Triad

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



12.2300, 15.4943, 21.7481



17.5710, 15.4943, 21.5989



14.7014, 15.4943, 9.5015

Complementary

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



12.2300, 15.4943, 21.7481



11.5451, 9.0994, 5.8509

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.



16.2966, 15.4943, 10.3037



12.2300, 15.4943, 21.7481



18.0244, 15.4943, 16.7979

Square

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



12.2300, 15.4943, 21.7481



16.3438, 15.4943, 25.6663



17.5424, 15.4943, 12.7831



13.2203, 15.4943, 10.3562

Rectangle

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



12.2300, 15.4943, 21.7481



14.2233, 15.4943, 27.1439



17.5424, 15.4943, 12.7831



15.2422, 15.4943, 9.5844

Sweetspot

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



12.2305, 15.4949, 21.7485



29.8762, 33.4097, 39.6184



10.4643, 16.1565, 8.2302



6.6809, 7.5221, 9.0029



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.



12.2305, 15.4949, 21.7485



20.0794, 26.2889, 38.7603



9.2253, 9.4845, 20.7467



4.4063, 4.8066, 5.5088



9.7805, 13.3796, 22.3170



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.5053, 9.2234, 18.2087



22.7311, 13.8923, 31.2521



13.9314, 13.8720, 6.6463



4.4779, 4.4043, 5.3212



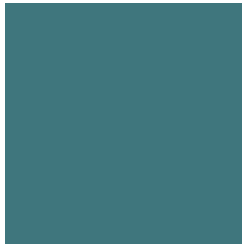
11.8137, 5.7452, 16.1407



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2300, 15.4943, 21.7481 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 12.2300, 15.4943, 21.7481 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

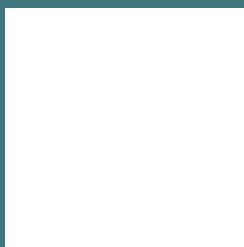
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2300, 15.4943, 21.7481

Background



This preview shows how black text looks on a background with the XYZ color 12.2300, 15.4943, 21.7481.



This preview shows how white text looks on a background with the XYZ color 12.2300, 15.4943,

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

12.2300, 15.4943, 21.7481

Protanopia

14.8767, 15.2452, 19.6113

Deuteranopia

15.6440, 15.4272, 22.2319



Tritanopia

12.4236, 15.5792, 22.4310

Trichromacy



Original Color

12.2300, 15.4943, 21.7481

Protanomaly

13.6590, 15.2441, 20.3117

Deuteranomaly

14.0664, 15.2549, 21.9418

Tritanomaly

12.3587, 15.5532, 22.0894

Monochromacy



Original Color

12.2300, 15.4943, 21.7481

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2015, 13.9256, 16.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2300, 15.4943, 21.7481 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(63, 118, 125)` looks like.

```
.text, #text, p{  
    color:rgb(63, 118, 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(63, 118, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 118, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.2300, 15.4943, 21.7481 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(63, 118, 125) }
```


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

```
.border{ border-color:rgb(63, 118, 125) }
```

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

Here you see how a box with a 4 pixel rgb(63, 118, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 118, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 118, 125);  
box-shadow:4px 4px 4px 4px rgb(63, 118,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2300, 15.4943, 21.7481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 118, 125) }
```

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

```
.background{ background-color: rgb(63, 118,  
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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