

Converting Colors

XYZ(12.9440, 15.5238, 21.3830)

Have a look what the booklet for
XYZ(12.9440, 15.5238, 21.3830)
contains.

XYZ(12.9440, 15.5238, 21.3830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9440, 15.5238,
21.3830)**

Conversions

Conversions Part 1

Format	Color
Hex	4D747C
RGB	77, 116, 124
RGB Percent	30%, 45%, 49%
CMY	0.6980, 0.5451, 0.5137
CMYK	0.38, 0.06, 0.00, 0.51
HSL	190°, 23%, 39%
HSV	190°, 38%, 49%
XYZ	12.9440, 15.5238, 21.3830
YIQ	105.2510, -25.8120, -5.7800

Conversions

Conversions Part 2

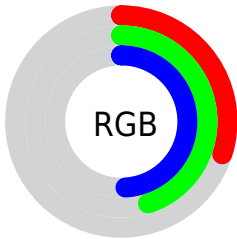
Format	Color
RYB	77, 98, 124
Decimal	5076092
CIELab	46.34, -11.48, -8.76
CIELCh	46, 14.440, 217.363
Yxy	15.5238, 0.2597, 0.3114
Android (android.graphics.Color)	4283266172 (0xFF4D747C)
YUV	105.2510, 9.2433, -24.7761
Hunter-Lab	39.4003, -10.3086, -4.5972

Details

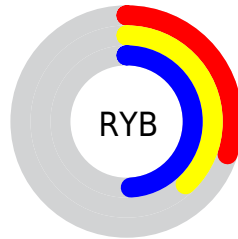
The XYZ color **12.9440, 15.5238, 21.3830** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.9004, 11.3180, 8.5260**, and the grayscale version is **13.4764, 14.1782, 15.4400**.

A 20% lighter version of the original color is **30.7412, 35.7290, 46.3505**, and **3.8160, 4.8891, 7.3992** is the 20% darker color. If you saturate the color by 10%, you get **11.7969, 14.5758, 21.2607**, and if you desaturate by 10%, it is **14.2883, 16.5824, 21.5168**.

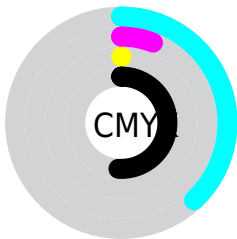
Distribution



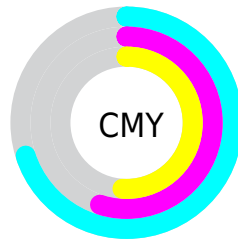
- Red (30%)
- Green (45%)
- Blue (49%)



- Red (30%)
- Yellow (38%)
- Blue (49%)



- Cyan (38%)
- Magenta (6%)
- Yellow (0%)
- Black (51%)



- Cyan (70%)
- Magenta (55%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9440, 15.5238, 21.3830 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 12.9440, 15.5238, 21.3830 by changing the saturation by 10% instead.

■ 12.9440, 15.5238,
21.3830

■ 12.9440, 15.5238,
21.3830

204.2033,
226.5151, 272.1546

■ 7.4667, 9.1878,
13.2103

■ 30.8053, 35.7695,
46.6131

■ 3.8046, 4.8639,
7.4411

■ 43.9201, 50.4480,
64.5076

■ 1.5922, 2.1676,
3.6568

■ 60.3114, 68.6761,
86.4798

■ 0.3873, 0.7023,
1.4390

■ 80.3445, 90.8383,
112.9481

■ 0.0000, 0.0000,
0.1719

■ 104.3850,
117.3189, 144.3313

■ 0.0000, 0.0000,
0.0000

132.7980,

148.5023, 181.0477

165.9490,
184.7729, 223.5159

■ 12.9440, 15.5238,
21.3830

■ 12.9440, 15.5238,
21.3830

■ 11.7969, 14.5758,
21.2607

■ 14.2883, 16.5824,
21.5168

■ 10.8348, 13.7309,
21.1484

■ 15.8385, 17.7551,
21.6614

■ 10.0460, 12.9835,
21.0457

■ 17.6043, 19.0472,
21.8177

■ 9.4172, 12.3266,
20.9520

■ 19.5947, 20.4635,
21.9862

■ 8.9328, 11.7521,
20.8667

■ 21.8177, 22.0081,
22.1672

■ 8.5549, 11.2404,
20.7878

■ 24.2814, 23.6852,
22.3610

■ 8.4783, 11.1355,
20.7716

■ 26.9931, 25.4988,
22.5682

■ 29.9601, 27.4524,
22.7889

■ 33.1891, 29.5498,
23.0235

Harmonies

Analogous

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



12.5194, 15.5238, 17.7910



12.9440, 15.5238, 21.3830



13.8582, 15.5238, 24.0019

Triad

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



12.9440, 15.5238, 21.3830



17.0609, 15.5238, 19.6625



14.4522, 15.5238, 11.0070

Complementary

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



12.9440, 15.5238, 21.3830



12.9004, 11.3180, 8.5260

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.



15.6894, 15.5238, 11.3628



12.9440, 15.5238, 21.3830



17.2418, 15.5238, 16.0447

Square

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



12.9440, 15.5238, 21.3830



16.2460, 15.5238, 22.9157



16.7273, 15.5238, 13.0966



13.3580, 15.5238, 12.0461

Rectangle

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



12.9440, 15.5238, 21.3830



14.6458, 15.5238, 24.6617



16.7273, 15.5238, 13.0966



14.8646, 15.5238, 10.9703

Sweetspot

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



12.9445, 15.5244, 21.3834



29.8921, 32.7306, 38.2988



11.9015, 16.6466, 11.1457



6.9594, 7.6497, 9.0128



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.



12.9445, 15.5244, 21.3834



21.1050, 25.9419, 37.4516



10.5841, 10.8036, 20.5966



4.0518, 4.4019, 5.0793



8.6172, 11.3168, 21.1155



40.5623, 52.8972, 100.5421

Inverse Universe

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



14.1188, 10.8541, 17.8746



23.5195, 16.7282, 30.1504



15.0498, 15.6168, 9.2425



4.1266, 4.0664, 4.8644



10.9329, 5.3493, 13.4694



51.8771, 25.4072, 62.8082

Previews

White Background



This preview shows how the XYZ color 12.9440, 15.5238, 21.3830 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 12.9440, 15.5238, 21.3830 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

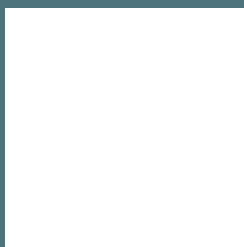
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9440, 15.5238, 21.3830

Background



This preview shows how black text looks on a background with the XYZ color 12.9440, 15.5238, 21.3830.



This preview shows how white text looks on a background with the XYZ color 12.9440, 15.5238,

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

12.9440, 15.5238, 21.3830

Protanopia

14.9828, 15.4573, 19.6467

Deuteranopia

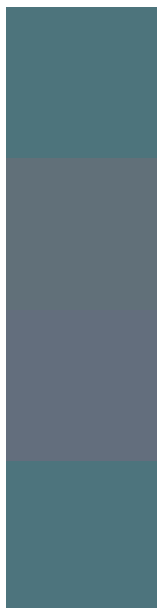
15.7057, 15.4665, 21.8962



Tritanopia

13.0076, 15.5492, 21.7178

Trichromacy



Original Color

12.9440, 15.5238, 21.3830

Protanomaly

14.1751, 15.5102, 20.3358

Deuteranomaly

14.4232, 15.2852, 21.5922

Tritanomaly

13.0076, 15.5492, 21.7178

Monochromacy



Original Color

12.9440, 15.5238, 21.3830

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1126, 14.5400, 17.4446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9440, 15.5238, 21.3830 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(77, 116, 124)` looks like.

```
.text, #text, p{  
    color:rgb(77, 116, 124)  
}
```

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(77, 116, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 116, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.9440, 15.5238, 21.3830 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(77, 116, 124) }
```


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

```
.border{ border-color:rgb(77, 116, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 116, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 116, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 116, 124);  
box-shadow:4px 4px 4px 4px rgb(77, 116,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9440, 15.5238, 21.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 116, 124) }
```

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

```
.background{ background-color: rgb(77, 116,  
124) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor