

Converting Colors

XYZ(15.1936, 21.5277, 21.2567)

Have a look what the booklet for
XYZ(15.1936, 21.5277, 21.2567)
contains.

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Color

**XYZ(15.2298, 21.5991,
21.1357)**

Conversions

Conversions Part 1

Format	Color
Hex	438D78
RGB	67, 141, 120
RGB Percent	26%, 55%, 47%
CMY	0.7372, 0.4470, 0.5294
CMYK	0.52, 0.00, 0.15, 0.45
HSL	163°, 36%, 41%
HSV	163°, 52%, 55%
XYZ	15.2298, 21.5991, 21.1357
YIQ	116.4800, -37.3630, -22.2190

Conversions

Conversions Part 2

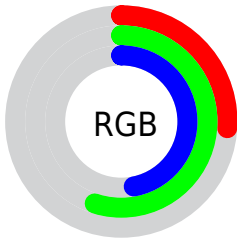
Format	Color
R_{YB}	67, 110, 141
Decimal	4427128
CIE _{Lab}	53.60, -28.42, 4.20
CIE _{LCh}	54, 28.730, 171.601
Yxy	21.5991, 0.2627, 0.3726
Android (android.graphics.Color)	4282617208 (0xFF438D78)
YUV	116.4800, 1.7354, -43.3940
Hunter-Lab	46.4748, -22.8365, 5.5686

Details

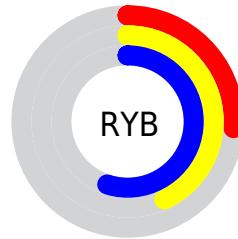
The XYZ color **15.2298, 21.5991, 21.1357** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.7538, 10.3822, 10.4597**, and the grayscale version is **16.7515, 17.6239, 19.1924**.

A 20% lighter version of the original color is **34.8467, 46.0737, 46.0862**, and **4.8384, 7.7867, 7.3789** is the 20% darker color. If you saturate the color by 10%, you get **14.1407, 21.0657, 19.8437**, and if you desaturate by 10%, it is **16.5657, 22.2597, 22.4932**.

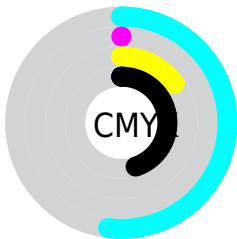
Distribution



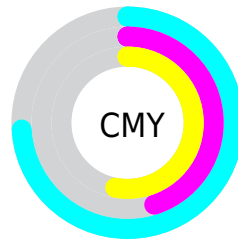
- Red (26%)
- Green (55%)
- Blue (47%)



- Red (26%)
- Yellow (43%)
- Blue (55%)



- Cyan (52%)
- Magenta (0%)
- Yellow (15%)
- Black (45%)



- Cyan (74%)
- Magenta (45%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2298, 21.5991, 21.1357 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 15.2298, 21.5991, 21.1357 by changing the saturation by 10% instead.

■ 15.2298, 21.5991,
21.1357

■ 15.2298, 21.5991,
21.1357

218.1139,
260.4455, 270.8035

■ 9.0682, 13.5626,
13.0310

■ 34.8242, 46.0825,
46.1970

■ 4.8432, 7.8171,
7.3189

■ 48.9876, 63.2982,
63.9907

■ 2.1893, 3.9781,
3.5809

■ 66.5491, 84.3424,
85.8511

■ 0.7371, 1.6613,
1.3984

■ 87.8739, 109.5996,
112.1968

■ 0.0000, 0.3984,
0.1404

■ 113.3275,
139.4541, 143.4464

■ 0.0000, 0.0000,
0.0000

143.2751,

174.2903, 180.0183

178.0821,
214.4926, 222.3312

■ 15.2298, 21.5991,
21.1357

■ 15.2298, 21.5991,
21.1357

■ 14.1407, 21.0657,
19.8437

■ 16.5657, 22.2597,
22.4932

■ 13.2790, 20.6478,
18.6142

■ 18.1623, 23.0529,
23.9161

■ 12.6254, 20.3360,
17.4462

■ 20.0346, 23.9871,
25.4061

■ 12.1565, 20.1183,
16.3378

■ 22.1960, 25.0691,
26.9645

■ 11.8735, 19.9898,
15.5409

■ 24.6589, 26.3053,
28.5924

■ 27.4351, 27.7017,
30.2910

■ 30.5355, 29.2641,
32.0614

■ 33.9709, 30.9978,
33.9047

■ 37.7511, 32.9081,
35.8219

Harmonies

Analogous

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



16.2452, 21.5991, 14.5087



15.2298, 21.5991, 21.1357



15.5192, 21.5991, 30.3004

Triad

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



15.2298, 21.5991, 21.1357



22.7781, 21.5991, 42.9786



24.4151, 21.5991, 12.6082

Complementary

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



15.2298, 21.5991, 21.1357



14.7538, 10.3822, 10.4597

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.



26.5160, 21.5991, 17.8312



15.2298, 21.5991, 21.1357



25.5072, 21.5991, 35.6474

Square

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



15.2298, 21.5991, 21.1357



19.6798, 21.5991, 44.4986



26.9344, 21.5991, 26.0724



21.4029, 21.5991, 10.4526

Rectangle

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



15.2298, 21.5991, 21.1357



16.4271, 21.5991, 36.6100



26.9344, 21.5991, 26.0724



25.2632, 21.5991, 13.9910

Sweetspot

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



15.2304, 21.6000, 21.1362



38.1904, 44.1125, 47.1948



14.6777, 21.5896, 8.7042



8.3757, 9.7755, 10.4301



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.2304, 21.6000, 21.1362



25.0042, 37.5685, 35.1154



14.6096, 18.0901, 27.9220



5.4959, 6.0906, 6.5772



10.8330, 18.2291, 14.2067



0.1131, 0.1781, 0.1857

Inverse Universe

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



14.7538, 10.3822, 10.4597



24.0716, 15.2019, 13.9155



15.0006, 12.0731, 6.8503



5.4679, 5.4477, 5.9619



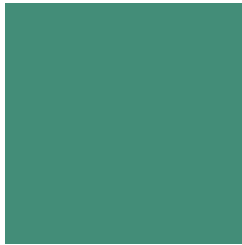
10.3714, 5.3056, 2.3414



0.1077, 0.0541, 0.0671

Previews

White Background



This preview shows how the XYZ color 15.2298, 21.5991, 21.1357 looks on a white 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

Black Background



This preview shows how the XYZ color 15.2298, 21.5991, 21.1357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

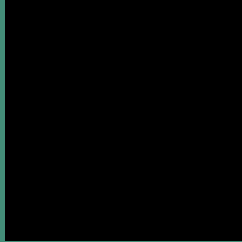
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2298, 21.5991, 21.1357

Background



This preview shows how black text looks on a background with the XYZ color 15.2298, 21.5991, 21.1357.



This preview shows how white text looks on a background with the XYZ color 15.2298, 21.5991,

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

15.2298, 21.5991, 21.1357

Protanopia

20.2429, 21.3575, 18.6783

Deuteranopia

21.7056, 21.2839, 22.0330



Tritanopia

17.2714, 21.5659, 31.2693

Trichromacy



Original Color

15.2298, 21.5991, 21.1357

Protanomaly

17.7103, 21.0147, 19.6458

Deuteranomaly

18.4972, 20.9727, 21.8121

Tritanomaly

16.4236, 21.4284, 27.3152

Monochromacy



Original Color

15.2298, 21.5991, 21.1357

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.5815, 18.5483, 19.5886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2298, 21.5991, 21.1357 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(67, 141, 120)` looks like.

```
.text, #text, p{  
    color:rgb(67, 141, 120)  
}
```

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(67, 141, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 141, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.2298, 21.5991, 21.1357 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(67, 141, 120) }
```


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

```
.border{ border-color:rgb(67, 141, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 141, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 141, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 141, 120);  
box-shadow:4px 4px 4px 4px rgb(67, 141,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2298, 21.5991, 21.1357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 141, 120) }
```

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

```
.background{ background-color: rgb(67, 141,  
120) }
```

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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