

Converting Colors

XYZ(15.3577, 21.1468, 33.6279)

Have a look what the booklet for
XYZ(15.3577, 21.1468, 33.6279)
contains.

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Color

**XYZ(15.4078, 21.1908,
33.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	0F8C9A
RGB	15, 140, 154
RGB Percent	6%, 55%, 60%
CMY	0.9411, 0.4510, 0.3961
CMYK	0.90, 0.09, 0.00, 0.40
HSL	186°, 82%, 33%
HSV	186°, 90%, 60%
XYZ	15.4078, 21.1908, 33.8500
YIQ	104.2210, -78.9940, -22.1460

Conversions

Conversions Part 2

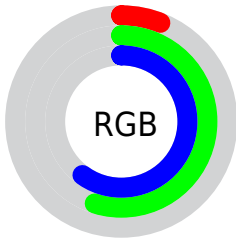
Format	Color
RYB	15, 81, 154
Decimal	1019034
CIELab	53.16, -25.47, -16.25
CIELCh	53, 30.208, 212.542
Yxy	21.1908, 0.2187, 0.3008
Android (android.graphics.Color)	4279209114 (0xFF0F8C9A)
YUV	104.2210, 24.5410, -78.2468
Hunter-Lab	46.0335, -20.8131, -11.3746

Details

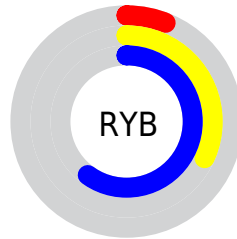
The XYZ color **15.4078, 21.1908, 33.8500** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8527, 7.7842, 1.2250**, and the grayscale version is **13.1704, 13.8563, 15.0895**.

A 20% lighter version of the original color is **35.0906, 45.4130, 66.5906**, and **6.0206, 8.1240, 14.0827** is the 20% darker color. If you saturate the color by 10%, you get **14.9916, 20.6508, 33.7681**, and if you desaturate by 10%, it is **15.9872, 21.8288, 33.9430**.

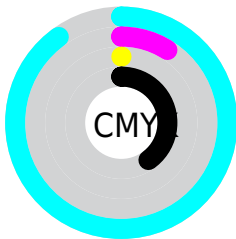
Distribution



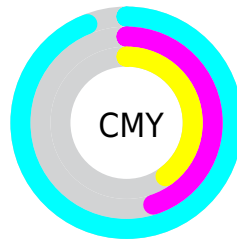
- Red (6%)
- Green (55%)
- Blue (60%)



- Red (6%)
- Yellow (32%)
- Blue (60%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)



- Cyan (94%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4078, 21.1908, 33.8500 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 15.4078, 21.1908, 33.8500 by changing the saturation by 10% instead.

■ 15.4078, 21.1908,
33.8500

■ 15.4078, 21.1908,
33.8500

■ 219.1612,
258.2908, 334.2114

■ 9.1943, 13.2635,
22.5020

■ 35.1328, 45.4049,
66.8316

■ 4.9262, 7.6103,
14.0244

■ 49.3750, 62.4605,
89.3022

■ 2.2384, 3.8466,
7.9987

■ 67.0242, 83.3276,
116.3174

■ 0.7628, 1.5881,
4.0063

■ 88.4456, 108.3907,
148.2957

■ 0.0000, 0.3496,
1.6288

■ 114.0046,
138.0342, 185.6558

■ 0.0000, 0.0000,
0.3113

■ 144.0667,

■ 0.0000, 0.0000,

172.6425, 228.8160

0.0000

178.9971,
212.5998, 278.1951

■ 15.4078, 21.1908,
33.8500

■ 15.4078, 21.1908,
33.8500

■ 14.9916, 20.6508,
33.7681

■ 15.9872, 21.8288,
33.9430

■ 16.7895, 22.5860,
34.0469

■ 17.8436, 23.4778,
34.1635

■ 19.1734, 24.5166,
34.2939

■ 20.8002, 25.7133,
34.4391

■ 22.7431, 27.0777,
34.6001

■ 25.0194, 28.6189,
34.7776

■ 27.6454, 30.3453,
34.9724

■ 30.6362, 32.2646,
35.1852

Harmonies

Analogous

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



14.6225, 21.1908, 23.8596



15.4078, 21.1908, 33.8500



17.4477, 21.1908, 42.3941

Triad

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



15.4078, 21.1908, 33.8500



26.0778, 21.1908, 32.1406



19.8709, 21.1908, 9.6141

Complementary

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



15.4078, 21.1908, 33.8500



13.8527, 7.7842, 1.2250

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.



23.0986, 21.1908, 10.7484



15.4078, 21.1908, 33.8500



26.8985, 21.1908, 22.3042

Square

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



15.4078, 21.1908, 33.8500



23.6177, 21.1908, 41.2382



25.7566, 21.1908, 14.8673



17.0238, 21.1908, 11.2225

Rectangle

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



15.4078, 21.1908, 33.8500



19.3568, 21.1908, 45.1946



25.7566, 21.1908, 14.8673



20.9465, 21.1908, 9.6874

Sweetspot

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



15.4085, 21.1916, 33.8505



42.3722, 49.9137, 62.9373



11.9738, 23.3015, 5.0235



9.3128, 11.1070, 14.2234



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.4085, 21.1916, 33.8505



27.1519, 37.3507, 61.3146



8.2587, 6.8920, 31.4673



6.3314, 6.9202, 7.9310



12.2287, 16.8541, 27.5164



0.1961, 0.2786, 0.4158

Inverse Universe

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



18.2314, 9.1058, 25.6084



32.5654, 15.8227, 45.1394



17.8189, 15.7165, 2.5470



6.4344, 6.3129, 7.6677



14.6313, 7.1067, 20.3810



0.2255, 0.1089, 0.3401

Previews

White Background



This preview shows how the XYZ color 15.4078, 21.1908, 33.8500 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 15.4078, 21.1908, 33.8500 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

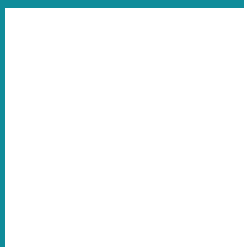
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4078, 21.1908, 33.8500

Background



This preview shows how black text looks on a background with the XYZ color 15.4078, 21.1908, 33.8500.

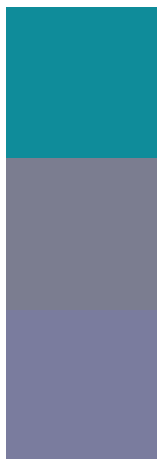


This preview shows how white text looks on a background with the XYZ color 15.4078, 21.1908,

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

15.4078, 21.1908, 33.8500

Protanopia

20.5360, 20.8918, 29.3357

Deuteranopia

21.4052, 21.0215, 35.2771



Tritanopia

15.1457, 21.0748, 32.9753

Trichromacy



Original Color

15.4078, 21.1908, 33.8500

Protanomaly

16.9841, 19.9882, 30.9799

Deuteranomaly

17.6357, 20.2386, 34.8752

Tritanomaly

15.2659, 21.1272, 33.4104

Monochromacy



Original Color

15.4078, 21.1908, 33.8500

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5466, 15.5054, 20.7439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4078, 21.1908, 33.8500 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(15, 140, 154)` looks like.

```
.text, #text, p{  
    color:rgb(15, 140, 154)  
}
```

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(15, 140, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 140, 154) }
```

Border

The CSS property to change the border of an element to XYZ 15.4078, 21.1908, 33.8500 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(15, 140, 154) }
```


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

```
.border{ border-color:rgb(15, 140, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 140, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 140, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 140, 154);  
box-shadow:4px 4px 4px 4px rgb(15, 140,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4078, 21.1908, 33.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 140, 154) }
```

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

```
.background{ background-color: rgb(15, 140,  
154) }
```

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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