

Converting Colors

XYZ(15.4198, 21.9221, 31.0224)

Have a look what the booklet for
XYZ(15.4198, 21.9221, 31.0224)
contains.

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Color

**XYZ(15.4198, 21.9221,
31.0224)**

Conversions

Conversions Part 1

Format	Color
Hex	168F93
RGB	22, 143, 147
RGB Percent	9%, 56%, 58%
CMY	0.9137, 0.4392, 0.4235
CMYK	0.85, 0.03, 0.00, 0.42
HSL	182°, 74%, 33%
HSV	182°, 85%, 58%
XYZ	15.4198, 21.9221, 31.0224
YIQ	107.2770, -73.4000, -24.4080

Conversions

Conversions Part 2

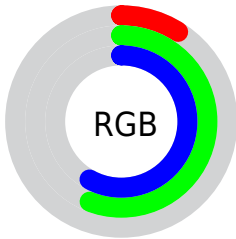
Format	Color
R_{YB}	22, 83, 147
Decimal	1478547
CIE _{Lab}	53.94, -28.78, -11.01
CIE _{LCh}	54, 30.819, 200.932
Yxy	21.9221, 0.2256, 0.3207
Android (android.graphics.Color)	4279668627 (0xFF168F93)
YUV	107.2770, 19.5834, -74.7879
Hunter-Lab	46.8210, -23.1506, -6.5093

Details

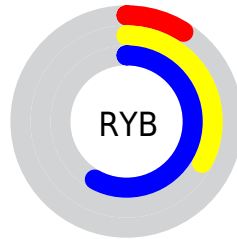
The XYZ color **15.4198, 21.9221, 31.0224** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5474, 7.0004, 1.4496**, and the grayscale version is **14.0152, 14.7451, 16.0574**.

A 20% lighter version of the original color is **35.1250, 46.5292, 62.3881**, and **5.9848, 8.5174, 12.6378** is the 20% darker color. If you saturate the color by 10%, you get **15.1104, 21.6585, 30.9882**, and if you desaturate by 10%, it is **15.9127, 22.2817, 31.0662**.

Distribution



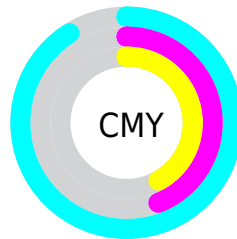
- Red (9%)
- Green (56%)
- Blue (58%)



- Red (9%)
- Yellow (33%)
- Blue (58%)



- Cyan (85%)
- Magenta (3%)
- Yellow (0%)
- Black (42%)



- Cyan (91%)
- Magenta (44%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4198, 21.9221, 31.0224 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 15.4198, 21.9221, 31.0224 by changing the saturation by 10% instead.

15.4198, 21.9221,
31.0224

15.4198, 21.9221,
31.0224

219.2316,
262.1392, 320.9959

9.2028, 13.7997,
20.3573

35.1536, 46.6172,
62.3553

4.9318, 7.9815,
12.4684

49.4011, 63.9587,
83.8602

2.2417, 4.0831,
6.9371

67.0561, 85.1420,
109.8155

0.7646, 1.7202,
3.3450

88.4840, 110.5514,
140.6396

0.0000, 0.4367,
1.2734

114.0502,
140.5715, 176.7512

0.0000, 0.0000,
0.0398

144.1199,

0.0000, 0.0000,

175.5865, 218.5687

0.0000

179.0586,
215.9810, 266.5108

■ 15.4198, 21.9221,
31.0224

■ 15.4198, 21.9221,
31.0224

■ 15.1104, 21.6585,
30.9882

■ 15.9127, 22.2817,
31.0662

■ 14.9839, 21.5414,
30.9723

■ 16.6172, 22.7504,
31.1196

■ 17.5568, 23.3407,
31.1840

■ 18.7514, 24.0629,
31.2604

■ 20.2188, 24.9261,
31.3497

■ 21.9752, 25.9388,
31.4526

■ 24.0356, 27.1087,
31.5698

■ 26.4138, 28.4428,
31.7020

■ 29.1229, 29.9480,
31.8497

Harmonies

Analogous

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



15.1418, 21.9221, 21.0998



15.4198, 21.9221, 31.0224



17.0630, 21.9221, 41.0832

Triad

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



15.4198, 21.9221, 31.0224



26.2016, 21.9221, 37.3604



21.8597, 21.9221, 9.9750

Complementary

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



15.4198, 21.9221, 31.0224



12.5474, 7.0004, 1.4496

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.



25.1285, 21.9221, 12.2939



15.4198, 21.9221, 31.0224



27.8047, 21.9221, 26.8714

Square

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



15.4198, 21.9221, 31.0224



23.2035, 21.9221, 45.3664



27.3925, 21.9221, 17.9103



18.6358, 21.9221, 10.5322

Rectangle

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



15.4198, 21.9221, 31.0224



18.8177, 21.9221, 45.6795



27.3925, 21.9221, 17.9103



22.9943, 21.9221, 10.4147

Sweetspot

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



15.4205, 21.9229, 31.0229



38.8452, 46.1609, 56.2972



10.9309, 21.1048, 4.3669



8.6355, 10.4042, 12.8379



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.4205, 21.9229, 31.0229



26.8080, 38.5256, 55.4578



8.6470, 8.3760, 28.7651



5.9484, 6.5307, 7.4168



12.9937, 18.6822, 26.8522



0.1631, 0.2367, 0.3300

Inverse Universe

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



17.2780, 8.7607, 26.7678



30.3196, 14.6171, 47.1951



15.5528, 13.0113, 2.4514



6.0274, 5.9060, 7.2504



14.6857, 7.0793, 22.8896



0.1818, 0.0875, 0.2908

Previews

White Background



This preview shows how the XYZ color 15.4198, 21.9221, 31.0224 looks on a white background.

Color Contrast Check

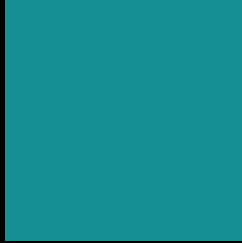
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4198, 21.9221, 31.0224 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 15.4198, 21.9221, 31.0224

Background



This preview shows how black text looks on a background with the XYZ color 15.4198, 21.9221, 31.0224.

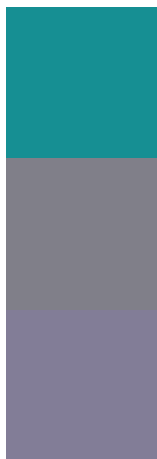


This preview shows how white text looks on a background with the XYZ color 15.4198, 21.9221,

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

15.4198, 21.9221, 31.0224

Protanopia

21.0068, 21.5741, 26.7239

Deuteranopia

22.1255, 21.6474, 32.2904



Tritanopia

16.0412, 21.9551, 33.9642

Trichromacy



Original Color

15.4198, 21.9221, 31.0224

Protanomaly

17.3151, 20.8220, 28.3057

Deuteranomaly

18.0707, 20.9287, 31.9414

Tritanomaly

15.7109, 21.8134, 32.6605

Monochromacy



Original Color

15.4198, 21.9221, 31.0224

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2098, 16.3746, 20.8767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4198, 21.9221, 31.0224 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(22, 143, 147)` looks like.

```
.text, #text, p{  
    color:rgb(22, 143, 147)  
}
```

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(22, 143, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 143, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.4198, 21.9221, 31.0224 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(22, 143, 147) }
```


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

```
.border{ border-color:rgb(22, 143, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 143, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 143, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 143, 147);  
box-shadow:4px 4px 4px 4px rgb(22, 143,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4198, 21.9221, 31.0224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 143, 147) }
```

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

```
.background{ background-color: rgb(22, 143,  
147) }
```

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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