

Converting Colors

XYZ(15.3167, 22.0454, 30.0624)

Have a look what the booklet for
XYZ(15.3167, 22.0454, 30.0624)
contains.

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Color

**XYZ(15.3934, 22.1503,
30.2522)**

Conversions

Conversions Part 1

Format	Color
Hex	159091
RGB	21, 144, 145
RGB Percent	8%, 56%, 57%
CMY	0.9176, 0.4353, 0.4314
CMYK	0.86, 0.01, 0.00, 0.43
HSL	180°, 75%, 33%
HSV	180°, 86%, 57%
XYZ	15.3934, 22.1503, 30.2522
YIQ	107.3370, -73.6290, -25.7650

Conversions

Conversions Part 2

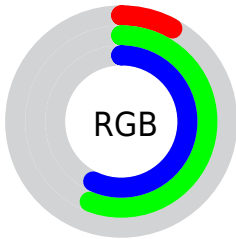
Format	Color
R _Y B	21, 83, 145
Decimal	1413265
CIE Lab	54.19, -29.98, -9.50
CIE LCh	54, 31.451, 197.572
Yxy	22.1503, 0.2271, 0.3267
Android (android.graphics.Color)	4279603345 (0xFF159091)
YUV	107.3370, 18.5679, -75.7175
Hunter-Lab	47.0641, -23.9796, -5.1660

Details

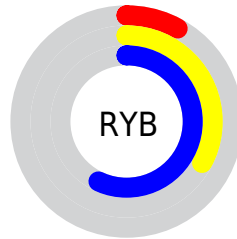
The XYZ color **15.3934, 22.1503, 30.2522** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.0999, 6.6484, 1.3557**, and the grayscale version is **14.0348, 14.7657, 16.0799**.

A 20% lighter version of the original color is **35.0171, 46.8388, 61.2280**, and **5.9799, 8.6549, 12.1819** is the 20% darker color. If you saturate the color by 10%, you get **15.1484, 21.9982, 30.2362**, and if you desaturate by 10%, it is **15.8129, 22.3933, 30.2774**.

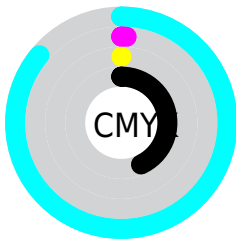
Distribution



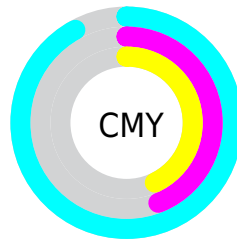
- Red (8%)
- Green (56%)
- Blue (57%)



- Red (8%)
- Yellow (33%)
- Blue (57%)



- Cyan (86%)
- Magenta (1%)
- Yellow (0%)
- Black (43%)



- Cyan (92%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3934, 22.1503, 30.2522 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 15.3934, 22.1503, 30.2522 by changing the saturation by 10% instead.

15.3934, 22.1503,
30.2522

15.3934, 22.1503,
30.2522

219.0766,
263.3302, 317.3221

9.1841, 13.9674,
19.7764

35.1079, 46.9943,
61.1265

4.9195, 8.0980,
12.0502

49.3437, 64.4241,
82.3621

2.2344, 4.1577,
6.6549

66.9858, 85.7051,
108.0214

0.7608, 1.7622,
3.1721

88.3994, 111.2215,
138.5229

0.0000, 0.4634,
1.1832

113.9499,
141.3579, 174.2852

0.0000, 0.0000,
0.0000

144.0028,

176.4985, 215.7268

178.9232,
217.0278, 263.2662

■ 15.3934, 22.1503,
30.2522

■ 15.3934, 22.1503,
30.2522

■ 15.1484, 21.9982,
30.2362

■ 15.8129, 22.3933,
30.2774

■ 15.0589, 21.9403,
30.2297

■ 16.4361, 22.7409,
30.3116

■ 17.2857, 23.2052,
30.3565

■ 18.3811, 23.7963,
30.4128

■ 19.7397, 24.5231,
30.4815

■ 21.3772, 25.3936,
30.5633

■ 23.3081, 26.4155,
30.6587

■ 25.5457, 27.5955,
30.7686

■ 28.1029, 28.9403,
30.8933

Harmonies

Analogous

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



15.2700, 22.1503, 20.2930



15.3934, 22.1503, 30.2522



16.9267, 22.1503, 40.8312

Triad

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



15.3934, 22.1503, 30.2522



26.2812, 22.1503, 39.1594



22.4982, 22.1503, 10.0205

Complementary

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



15.3934, 22.1503, 30.2522



12.0999, 6.6484, 1.3557

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.



25.8011, 22.1503, 12.7302



15.3934, 22.1503, 30.2522



28.1384, 22.1503, 28.3956

Square

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



15.3934, 22.1503, 30.2522



23.0984, 22.1503, 46.8540



27.9538, 22.1503, 18.8745



19.1325, 22.1503, 10.2657

Rectangle

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



15.3934, 22.1503, 30.2522



18.6461, 22.1503, 46.0106



27.9538, 22.1503, 18.8745



23.6590, 22.1503, 10.5771

Sweetspot

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



15.3941, 22.1511, 30.2527



37.9555, 45.3019, 54.7172



10.5706, 20.4649, 4.1032



8.2357, 9.9675, 12.1621



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.3941, 22.1511, 30.2527



26.9612, 39.2781, 54.1340



8.5144, 8.3917, 27.9595



5.5566, 6.1090, 6.9151



12.9173, 18.8206, 25.9290



0.1243, 0.1815, 0.2482

Inverse Universe

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



16.9799, 8.5704, 27.1457



29.9008, 14.3760, 48.3135



14.9066, 12.2618, 2.2913



5.6244, 5.5103, 6.7862



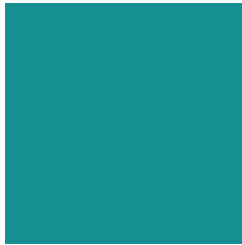
14.3232, 6.8863, 23.1509



0.1373, 0.0660, 0.2234

Previews

White Background



This preview shows how the XYZ color 15.3934, 22.1503, 30.2522 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 15.3934, 22.1503, 30.2522 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

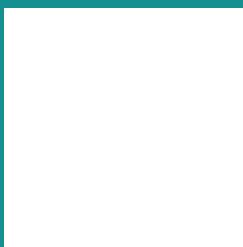
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3934, 22.1503, 30.2522

Background



This preview shows how black text looks on a background with the XYZ color 15.3934, 22.1503, 30.2522.

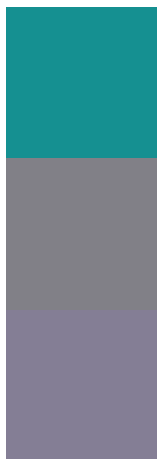


This preview shows how white text looks on a background with the XYZ color 15.3934, 22.1503,

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

15.3934, 22.1503, 30.2522

Protanopia

21.1456, 21.8547, 26.0256

Deuteranopia

22.4014, 21.9972, 31.4990



Tritanopia

16.2509, 22.2851, 34.0168

Trichromacy



Original Color

15.3934, 22.1503, 30.2522

Protanomaly

17.4017, 21.0879, 27.5793

Deuteranomaly

18.1465, 21.1885, 31.1503

Tritanomaly

15.8873, 22.1262, 32.7116

Monochromacy



Original Color

15.3934, 22.1503, 30.2522

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1482, 16.3499, 20.5520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3934, 22.1503, 30.2522 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(21, 144, 145)` looks like.

```
.text, #text, p{  
  color:rgb(21, 144, 145)  
}
```

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(21, 144, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 144, 145) }
```

Border

The CSS property to change the border of an element to XYZ 15.3934, 22.1503, 30.2522 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(21, 144, 145) }
```


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

```
.border{ border-color:rgb(21, 144, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 144, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 144, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 144, 145);  
box-shadow:4px 4px 4px 4px rgb(21, 144,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3934, 22.1503, 30.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 144, 145) }
```

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

```
.background{ background-color: rgb(21, 144,  
145) }
```

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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