

Converting Colors

XYZ(9.8182, 19.0191, 34.5897)

Have a look what the booklet for
XYZ(9.8182, 19.0191, 34.5897)
contains.

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Color

**XYZ(15.8232, 22.0452,
34.8737)**

Conversions

Conversions Part 1

Format	Color
Hex	008F9C
RGB	0, 143, 156
RGB Percent	0%, 56%, 61%
CMY	0.9999, 0.4392, 0.3882
CMYK	1.00, 0.08, 0.00, 0.39
HSL	185°, 100%, 31%
HSV	185°, 100%, 61%
XYZ	15.8232, 22.0452, 34.8737
YIQ	101.7250, -89.4010, -26.2730

Conversions

Conversions Part 2

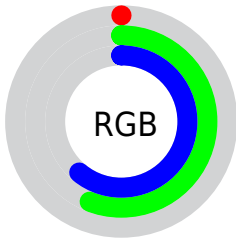
Format	Color
RYB	0, 75, 156
Decimal	36764
CIELab	54.07, -26.99, -16.02
CIELCh	54, 31.387, 210.691
Yxy	22.0452, 0.2175, 0.3031
Android (android.graphics.Color)	4278226844 (0xFF008F9C)
YUV	101.7250, 26.7576, -89.2128
Hunter-Lab	46.9523, -22.0110, -11.1709

Details

The XYZ color **15.8232, 22.0452, 34.8737** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8549, 7.3565, 0.6904**, and the grayscale version is **12.5090, 13.1604, 14.3317**.

A 20% lighter version of the original color is **35.7189, 46.7095, 68.1060**, and **6.3769, 8.6742, 14.7028** is the 20% darker color. If you saturate the color by 10%, you get **15.8233, 22.0452, 34.8741**, and if you desaturate by 10%, it is **16.2272, 22.5454, 34.9494**.

Distribution



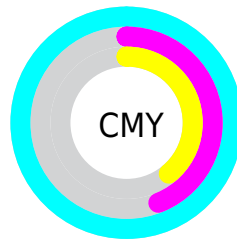
- Red (0%)
- Green (56%)
- Blue (61%)



- Red (0%)
- Yellow (29%)
- Blue (61%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8232, 22.0452, 34.8737 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 15.8232, 22.0452, 34.8737 by changing the saturation by 10% instead.

■ 15.8232, 22.0452,
34.8737

■ 15.8232, 22.0452,
34.8737

■ 221.5871,
262.7822, 338.8978

■ 9.4892, 13.8901,
23.2828

■ 35.8509, 46.8207,
68.4394

■ 5.1213, 8.0443,
14.5952

■ 50.2754, 64.2099,
91.2513

■ 2.3541, 4.1233,
8.3923

■ 68.1273, 85.4459,
118.6407

■ 0.8221, 1.7428,
4.2557

■ 89.7721, 110.9132,
151.0260

■ 0.0000, 0.4511,
1.7666

■ 115.5751,
140.9960, 188.8258

■ 0.0000, 0.0000,
0.4058

■ 145.9018,

■ 0.0000, 0.0000,

176.0789, 232.4587

0.0000

181.1173,
216.5462, 282.3432

■ 15.8232, 22.0452,
34.8737

■ 15.8232, 22.0452,
34.8737

■ 15.8233, 22.0452,
34.8741

■ 16.2272, 22.5454,
34.9494

■ 16.7904, 23.1305,
35.0326

■ 17.5836, 23.8376,
35.1273

■ 18.6359, 24.6816,
35.2348

■ 19.9719, 25.6754,
35.3562

■ 21.6135, 26.8300,
35.4925

■ 23.5802, 28.1557,
35.6447

■ 25.8901, 29.6618,
35.8137

■ 28.5599, 31.3568,
36.0001

Harmonies

Analogous

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



15.0769, 22.0452, 24.2297



15.8232, 22.0452, 34.8737



17.9156, 22.0452, 44.2902

Triad

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



15.8232, 22.0452, 34.8737



27.1808, 22.0452, 34.3750



20.8746, 22.0452, 9.7361

Complementary

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



15.8232, 22.0452, 34.8737



13.8549, 7.3565, 0.6904

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.



24.3163, 22.0452, 11.1072



15.8232, 22.0452, 34.8737



28.1870, 22.0452, 23.7786

Square

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



15.8232, 22.0452, 34.8737



24.4672, 22.0452, 43.9518



27.0873, 22.0452, 15.6653



17.7930, 22.0452, 11.2427

Rectangle

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



15.8232, 22.0452, 34.8737



19.9143, 22.0452, 47.6013



27.0873, 22.0452, 15.6653



22.0278, 22.0452, 9.8709

Sweetspot

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



15.8239, 22.0460, 34.8742



42.5925, 50.9821, 64.7224



11.9617, 23.8066, 4.3462



9.0530, 11.0050, 14.2174



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.



15.8239, 22.0460, 34.8742



28.6691, 39.8997, 63.3171



7.8923, 6.1828, 32.2304



6.7746, 7.4149, 8.4808



13.0455, 18.1826, 28.7293



0.2458, 0.3501, 0.5179

Inverse Universe

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



18.6688, 9.0518, 26.7506



33.8713, 16.4252, 48.3981



17.4527, 14.5521, 1.8897



6.8803, 6.7450, 8.2208



15.3830, 7.4578, 22.0656



0.2814, 0.1359, 0.4277

Previews

White Background



This preview shows how the XYZ color 15.8232, 22.0452, 34.8737 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 15.8232, 22.0452, 34.8737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

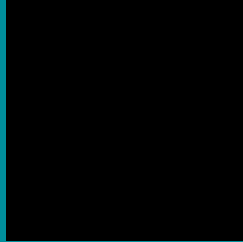
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8232, 22.0452, 34.8737

Background



This preview shows how black text looks on a background with the XYZ color 15.8232, 22.0452, 34.8737.

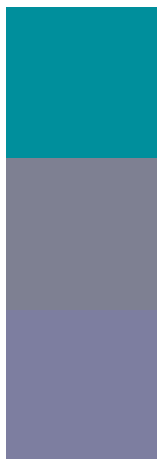


This preview shows how white text looks on a background with the XYZ color 15.8232, 22.0452,

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

15.8232, 22.0452, 34.8737

Protanopia

21.5117, 21.9493, 30.2970

Deuteranopia

22.2635, 21.8197, 36.2959



Tritanopia

15.7389, 22.0115, 34.4295

Trichromacy



Original Color

15.8232, 22.0452, 34.8737

Protanomaly

17.2008, 20.6825, 31.9397

Deuteranomaly

17.8175, 20.7112, 35.8595

Tritanomaly

15.7389, 22.0115, 34.4295

Monochromacy



Original Color

15.8232, 22.0452, 34.8737

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0541, 15.2515, 20.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8232, 22.0452, 34.8737 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(0, 143, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 156)  
}
```

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(0, 143, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 156) }
```

Border

The CSS property to change the border of an element to XYZ 15.8232, 22.0452, 34.8737 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(0, 143, 156) }
```


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

```
.border{ border-color:rgb(0, 143, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8232, 22.0452, 34.8737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 156) }
```

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

```
.background{ background-color: rgb(0, 143,  
156) }
```

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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