

Converting Colors

XYZ(15.2059, 21.5458, 32.4018)

Have a look what the booklet for
XYZ(15.2059, 21.5458, 32.4018)
contains.

XYZ(15.1780, 21.5480, 32.2134)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.1780, 21.5480,
32.2134)**

Conversions

Conversions Part 1

Format	Color
Hex	008E96
RGB	0, 142, 150
RGB Percent	0%, 56%, 59%
CMY	0.9999, 0.4431, 0.4118
CMYK	1.00, 0.05, 0.00, 0.41
HSL	183°, 100%, 29%
HSV	183°, 100%, 59%
XYZ	15.1780, 21.5480, 32.2134
YIQ	100.4540, -87.2000, -27.6160

Conversions

Conversions Part 2

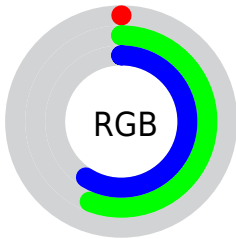
Format	Color
RYB	0, 73, 150
Decimal	36502
CIELab	53.54, -28.49, -13.36
CIELCh	54, 31.471, 205.127
Yxy	21.5480, 0.2202, 0.3126
Android (android.graphics.Color)	4278226582 (0xFF008E96)
YUV	100.4540, 24.4262, -88.0982
Hunter-Lab	46.4198, -22.8701, -8.6509

Details

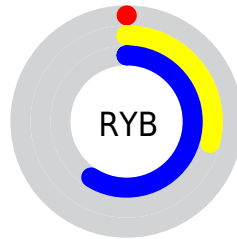
The XYZ color **15.1780, 21.5480, 32.2134** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.6650, 6.6583, 0.6183**, and the grayscale version is **12.1864, 12.8211, 13.9621**.

A 20% lighter version of the original color is **34.6635, 45.9142, 64.1621**, and **5.9932, 8.3830, 13.1066** is the 20% darker color. If you saturate the color by 10%, you get **15.1782, 21.5483, 32.2139**, and if you desaturate by 10%, it is **15.4952, 21.8893, 32.2630**.

Distribution



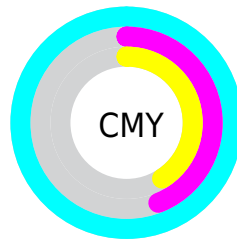
- Red (0%)
- Green (56%)
- Blue (59%)



- Red (0%)
- Yellow (29%)
- Blue (59%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (44%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1780, 21.5480, 32.2134 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 15.1780, 21.5480, 32.2134 by changing the saturation by 10% instead.

■ 15.1780, 21.5480,
32.2134

■ 15.1780, 21.5480,
32.2134

217.8082,
260.1766, 326.6128

■ 9.0315, 13.5252,
21.2584

■ 34.7342, 45.9978,
64.2473

■ 4.8190, 7.7912,
13.1199

■ 48.8747, 63.1935,
86.1632

■ 2.1751, 3.9616,
7.3795

■ 66.4106, 84.2157,
112.5699

■ 0.7296, 1.6521,
3.6185

■ 87.7072, 109.4487,
143.8858

■ 0.0000, 0.3924,
1.4185

■ 113.1299,
139.2769, 180.5295

■ 0.0000, 0.0000,
0.1561

■ 143.0441,

■ 0.0000, 0.0000,

174.0847, 222.9195

0.0000

177.8150,
214.2565, 271.4745

■ 15.1780, 21.5480,
32.2134

■ 15.1780, 21.5480,
32.2134

■ 15.1782, 21.5483,
32.2139

■ 15.4952, 21.8893,
32.2630

■ 15.9542, 22.3046,
32.3189

■ 16.6225, 22.8290,
32.3849

■ 17.5262, 23.4760,
32.4622

■ 18.6877, 24.2572,
32.5518

■ 20.1266, 25.1827,
32.6546

■ 21.8610, 26.2618,
32.7714

■ 23.9070, 27.5029,
32.9031

■ 26.2798, 28.9137,
33.0504

Harmonies

Analogous

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



14.7023, 21.5480, 21.9274



15.1780, 21.5480, 32.2134



17.0094, 21.5480, 42.1168

Triad

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



15.1780, 21.5480, 32.2134



26.2419, 21.5480, 35.6896



21.0336, 21.5480, 9.4489

Complementary

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



15.1780, 21.5480, 32.2134



12.6650, 6.6583, 0.6183

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.



24.3948, 21.5480, 11.3350



15.1780, 21.5480, 32.2134



27.6039, 21.5480, 25.0669

Square

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



15.1780, 21.5480, 32.2134



23.3437, 21.5480, 44.4777



26.8937, 21.5480, 16.4594



17.8619, 21.5480, 10.3958

Rectangle

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



15.1780, 21.5480, 32.2134



18.8692, 21.5480, 46.2299



26.8937, 21.5480, 16.4594



22.1815, 21.5480, 9.7533

Sweetspot

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



15.1787, 21.5488, 32.2139



38.3786, 46.2224, 57.8203



10.9480, 21.8296, 3.8525



8.2364, 10.0774, 12.7959



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.



15.1787, 21.5488, 32.2139



26.7445, 37.9447, 56.8357



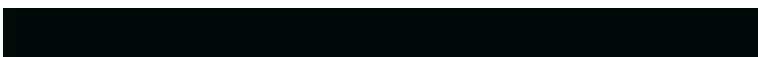
7.5431, 6.2776, 29.6687



5.9379, 6.5098, 7.4133



12.5958, 17.8864, 26.7196



0.1607, 0.2320, 0.3292

Inverse Universe

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



17.4607, 8.4376, 26.3003



30.7925, 14.8811, 46.3027



15.6339, 12.5960, 1.6079



6.0221, 5.9039, 7.2225



14.4849, 6.9990, 21.8321



0.1806, 0.0870, 0.2846

Previews

White Background



This preview shows how the XYZ color 15.1780, 21.5480, 32.2134 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 15.1780, 21.5480, 32.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

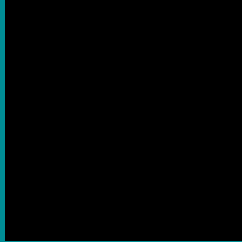
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.1780, 21.5480, 32.2134

Background



This preview shows how black text looks on a background with the XYZ color 15.1780, 21.5480, 32.2134.

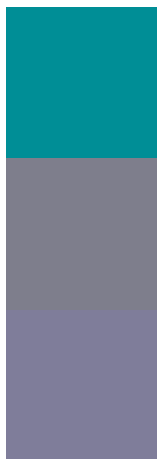


This preview shows how white text looks on a background with the XYZ color 15.1780, 21.5480,

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

15.1780, 21.5480, 32.2134

Protanopia

20.7987, 21.2508, 27.8165

Deuteranopia

21.9187, 21.5124, 33.5689



Tritanopia

15.6198, 21.7475, 33.5114

Trichromacy



Original Color

15.1780, 21.5480, 32.2134

Protanomaly

16.5936, 20.2216, 29.4141

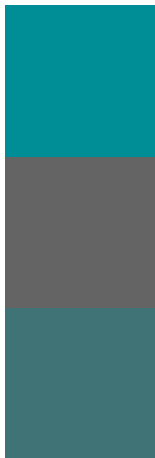
Deuteranomaly

17.2594, 20.2818, 33.1421

Tritanomaly

15.4657, 21.6775, 33.0748

Monochromacy



Original Color

15.1780, 21.5480, 32.2134

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.5151, 14.6595, 19.3622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1780, 21.5480, 32.2134 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, 142, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 150)  
}
```

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, 142, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 150) }
```

Border

The CSS property to change the border of an element to XYZ 15.1780, 21.5480, 32.2134 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, 142, 150) }
```


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

```
.border{ border-color:rgb(0, 142, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1780, 21.5480, 32.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 150) }
```

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

```
.background{ background-color: rgb(0, 142,  
150) }
```

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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