

Converting Colors

XYZ(7.3640, 15.9641, 27.1363)

Have a look what the booklet for
XYZ(7.3640, 15.9641, 27.1363)
contains.

XYZ(13.1853, 18.9143, 27.3820)	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(13.1853, 18.9143,
27.3820)**

Conversions

Conversions Part 1

Format	Color
Hex	00868B
RGB	0, 134, 139
RGB Percent	0%, 53%, 55%
CMY	0.9999, 0.4745, 0.4549
CMYK	1.00, 0.04, 0.00, 0.45
HSL	182°, 100%, 27%
HSV	182°, 100%, 55%
XYZ	13.1853, 18.9143, 27.3820
YIQ	94.5040, -81.4690, -26.8530

Conversions

Conversions Part 2

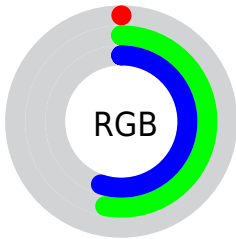
Format	Color
RYB	0, 68, 139
Decimal	34443
CIELab	50.59, -28.18, -11.44
CIELCh	51, 30.411, 202.089
Yxy	18.9143, 0.2217, 0.3180
Android (android.graphics.Color)	4278224523 (0xFF00868B)
YUV	94.5040, 21.9365, -82.8800
Hunter-Lab	43.4906, -21.9916, -6.8860

Details

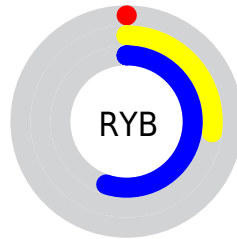
The XYZ color **13.1853, 18.9143, 27.3820** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.7022, 5.5980, 0.5170**, and the grayscale version is **10.7237, 11.2822, 12.2863**.

A 20% lighter version of the original color is **31.2440, 41.7035, 56.2720**, and **4.9735, 7.0619, 10.5521** is the 20% darker color. If you saturate the color by 10%, you get **13.1856, 18.9147, 27.3824**, and if you desaturate by 10%, it is **13.4348, 19.1461, 27.4140**.

Distribution



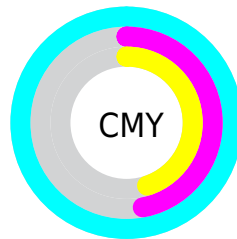
- Red (0%)
- Green (53%)
- Blue (55%)



- Red (0%)
- Yellow (27%)
- Blue (55%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1853, 18.9143, 27.3820 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 13.1853, 18.9143, 27.3820 by changing the saturation by 10% instead.

■ 13.1853, 18.9143,
27.3820

■ 13.1853, 18.9143,
27.3820

205.7155,
245.9752, 303.3205

■ 7.6341, 11.6084,
17.6254

■ 31.2348, 41.5892,
56.5074

■ 3.9116, 6.4776,
10.5147

■ 44.4638, 57.7270,
76.7133

■ 1.6522, 3.1376,
5.6315

■ 60.9828, 77.5776,
101.2393

■ 0.4261, 1.2040,
2.5572

■ 81.1572, 101.5253,
130.5040

■ 0.0000, 0.0650,
0.8702

■ 105.3523,
129.9545, 164.9259

■ 0.0000, 0.0000,
0.0000

■ 133.9335,

163.2496, 204.9236

167.2661,
201.7951, 250.9156

■ 13.1853, 18.9143,
27.3820

■ 13.1853, 18.9143,
27.3820

■ 13.1856, 18.9147,
27.3824

■ 13.4348, 19.1461,
27.4140

■ 13.7985, 19.4369,
27.4509

■ 14.3378, 19.8188,
27.4962

■ 15.0744, 20.3028,
27.5508

■ 16.0265, 20.8984,
27.6156

■ 17.2105, 21.6141,
27.6913

■ 18.6413, 22.4574,
27.7787

■ 20.3321, 23.4353,
27.8783

■ 22.2958, 24.5543,
27.9908

Harmonies

Analogous

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



12.8906, 18.9143, 18.4230



13.1853, 18.9143, 27.3820



14.6899, 18.9143, 36.3928

Triad

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



13.1853, 18.9143, 27.3820



22.8733, 18.9143, 32.3757



18.7755, 18.9143, 8.2655

Complementary

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



13.1853, 18.9143, 27.3820



10.7022, 5.5980, 0.5170

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.



21.7222, 18.9143, 10.1930



13.1853, 18.9143, 27.3820



24.2523, 18.9143, 22.9302

Square

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



13.1853, 18.9143, 27.3820



20.2131, 18.9143, 39.7856



23.8094, 18.9143, 15.0329



15.9131, 18.9143, 8.8475

Rectangle

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



13.1853, 18.9143, 27.3820



16.2767, 18.9143, 40.4218



23.8094, 18.9143, 15.0329



19.7928, 18.9143, 8.6172

Sweetspot

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



13.1859, 18.9150, 27.3825



33.1980, 40.1088, 49.7350



9.2585, 18.4758, 3.2118



7.4199, 9.1073, 11.4463



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.1859, 18.9150, 27.3825



23.5858, 33.8187, 49.0275



6.5437, 5.6307, 25.1684



5.1577, 5.6583, 6.4262



11.9032, 17.0766, 24.7144



0.0813, 0.1179, 0.1649

Inverse Universe

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



14.9510, 7.2107, 23.1588



26.7603, 12.9068, 41.4008



13.1060, 10.4057, 1.3183



5.2262, 5.1259, 6.2797



13.4950, 6.5081, 20.9086



0.0908, 0.0437, 0.1448

Previews

White Background



This preview shows how the XYZ color 13.1853, 18.9143, 27.3820 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 13.1853, 18.9143, 27.3820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

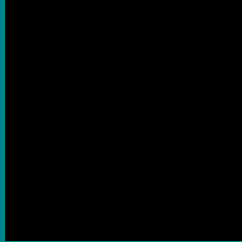
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1853, 18.9143, 27.3820

Background



This preview shows how black text looks on a background with the XYZ color 13.1853, 18.9143, 27.3820.



This preview shows how white text looks on a background with the XYZ color 13.1853, 18.9143,

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

13.1853, 18.9143, 27.3820

Protanopia

18.2338, 18.7273, 23.7728

Deuteranopia

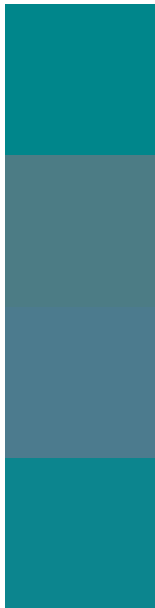
19.0649, 18.6988, 28.5910



Tritanopia

13.6901, 18.9271, 29.3173

Trichromacy



Original Color

13.1853, 18.9143, 27.3820

Protanomaly

14.4218, 17.6453, 24.8361

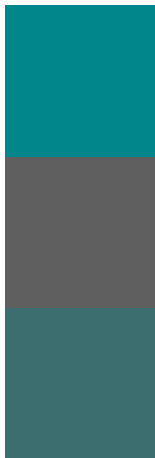
Deuteranomaly

14.9459, 17.6554, 28.2113

Tritanomaly

13.4216, 18.8062, 28.5138

Monochromacy



Original Color

13.1853, 18.9143, 27.3820

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2014, 13.0456, 17.0193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1853, 18.9143, 27.3820 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, 134, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 139)  
}
```

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, 134, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 139) }
```

Border

The CSS property to change the border of an element to XYZ 13.1853, 18.9143, 27.3820 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, 134, 139) }
```


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

```
.border{ border-color:rgb(0, 134, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1853, 18.9143, 27.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 139) }
```

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

```
.background{ background-color: rgb(0, 134,  
139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor