

Converting Colors

XYZ(18.8401, 27.4366, 37.8594)

Have a look what the booklet for
XYZ(18.8401, 27.4366, 37.8594)
contains.

XYZ(18.8312, 27.3695, 38.0085)	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(18.8312, 27.3695,
38.0085)**

Conversions

Conversions Part 1

Format	Color
Hex	009FA1
RGB	0, 159, 161
RGB Percent	0%, 62%, 63%
CMY	0.9999, 0.3765, 0.3686
CMYK	1.00, 0.01, 0.00, 0.37
HSL	181°, 100%, 32%
HSV	181°, 100%, 63%
XYZ	18.8312, 27.3695, 38.0085
YIQ	111.6870, -95.4060, -33.0860

Conversions

Conversions Part 2

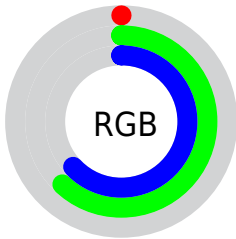
Format	Color
RYB	0, 80, 161
Decimal	40865
CIELab	59.31, -33.15, -10.97
CIELCh	59, 34.915, 198.310
Yxy	27.3695, 0.2236, 0.3250
Android (android.graphics.Color)	4278230945 (0xFF009FA1)
YUV	111.6870, 24.3113, -97.9495
Hunter-Lab	52.3159, -27.3013, -6.4542

Details

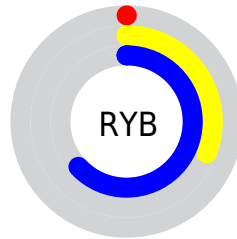
The XYZ color **18.8312, 27.3695, 38.0085** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.7204, 7.6213, 0.6961**, and the grayscale version is **15.2637, 16.0586, 17.4878**.

A 20% lighter version of the original color is **40.9554, 55.3782, 73.4962**, and **8.0722, 11.6412, 16.5734** is the 20% darker color. If you saturate the color by 10%, you get **18.8316, 27.3702, 38.0091**, and if you desaturate by 10%, it is **19.0820, 27.5504, 38.0307**.

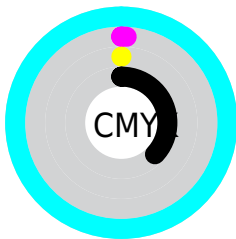
Distribution



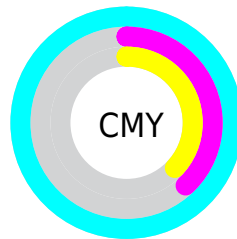
- Red (0%)
- Green (62%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (38%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8312, 27.3695, 38.0085 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 18.8312, 27.3695, 38.0085 by changing the saturation by 10% instead.


 18.8312, 27.3695,
38.0085


 18.8312, 27.3695,
38.0085


238.4713,
289.4417, 352.9557


 11.6517, 17.8509,
25.6874


 40.9678, 55.4762,
73.3247


 6.5775, 10.8430,
16.3663


 56.6555, 74.8332,
97.1570


 3.2432, 5.9614,
9.6265


 75.9100, 98.2384,
125.6633

 1.2837, 2.8216,
5.0497

 99.0966, 126.0762,
159.2623

 0.1709, 1.0393,
2.2172

 126.5807,
158.7310, 198.3725

 0.0000, 0.0000,
0.6843

 158.7276,

 0.0000, 0.0000,

196.5873, 243.4124

0.0000

195.9027,
240.0294, 294.8007

■ 18.8312, 27.3695,
38.0085

■ 18.8312, 27.3695,
38.0085

■ 18.8316, 27.3702,
38.0091

■ 19.0820, 27.5504,
38.0307

■ 19.5034, 27.8188,
38.0603

■ 20.1697, 28.2136,
38.1014

■ 21.1122, 28.7508,
38.1554

■ 22.3576, 29.4442,
38.2236

■ 23.9296, 30.3061,
38.3071

■ 25.8493, 31.3473,
38.4069

■ 28.1363, 32.5779,
38.5239

■ 30.8084, 34.0072,
38.6590

Harmonies

Analogous

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



18.6297, 27.3695, 25.1906



18.8312, 27.3695, 38.0085



20.8211, 27.3695, 51.5973

Triad

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



18.8312, 27.3695, 38.0085



32.7987, 27.3695, 48.8186



27.7519, 27.3695, 11.9149

Complementary

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



18.8312, 27.3695, 38.0085



14.7204, 7.6213, 0.6961

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.



32.0054, 27.3695, 15.2129



18.8312, 27.3695, 38.0085



35.1295, 27.3695, 34.9416

Square

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



18.8312, 27.3695, 38.0085



28.7409, 27.3695, 58.9437



34.8239, 27.3695, 22.8688



23.4651, 27.3695, 12.3091

Rectangle

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



18.8312, 27.3695, 38.0085



23.0334, 27.3695, 58.1828



34.8239, 27.3695, 22.8688



29.2410, 27.3695, 12.5800

Sweetspot

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



18.8320, 27.3705, 38.0092



46.0752, 56.0219, 68.7714



12.7456, 25.4904, 4.2493



9.7941, 12.1182, 15.0665



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.8320, 27.3705, 38.0092



33.7138, 48.9939, 68.0664



9.3401, 8.3867, 34.8452



7.2685, 7.9961, 9.0634



15.0424, 21.8642, 30.3572



0.3183, 0.4638, 0.6386

Inverse Universe

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



20.9567, 10.0811, 33.6432



37.5247, 18.0507, 60.2202



17.6049, 13.3904, 1.6576



7.3605, 7.2007, 8.8849



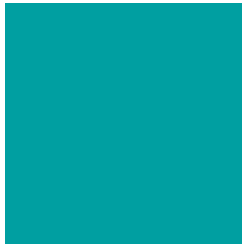
16.7382, 8.0513, 26.8755



0.3528, 0.1696, 0.5706

Previews

White Background



This preview shows how the XYZ color 18.8312, 27.3695, 38.0085 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 18.8312, 27.3695, 38.0085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

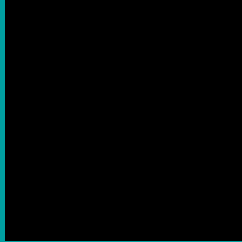
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8312, 27.3695, 38.0085

Background



This preview shows how black text looks on a background with the XYZ color 18.8312, 27.3695, 38.0085.

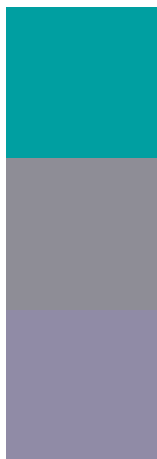


This preview shows how white text looks on a background with the XYZ color 18.8312, 27.3695,

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

18.8312, 27.3695, 38.0085

Protanopia

26.1852, 27.0025, 32.6861

Deuteranopia

27.6172, 27.1477, 39.8608



Tritanopia

19.9346, 27.5890, 42.3048

Trichromacy



Original Color

18.8312, 27.3695, 38.0085

Protanomaly

20.6391, 25.6866, 34.4421

Deuteranomaly

21.3934, 25.5134, 38.9190

Tritanomaly

19.4331, 27.3629, 40.8166

Monochromacy



Original Color

18.8312, 27.3695, 38.0085

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.4781, 18.6518, 23.9562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8312, 27.3695, 38.0085 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, 159, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 161)  
}
```

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, 159, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.8312, 27.3695, 38.0085 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, 159, 161) }
```


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

```
.border{ border-color:rgb(0, 159, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8312, 27.3695, 38.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 161) }
```

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

```
.background{ background-color: rgb(0, 159,  
161) }
```

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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