

Converting Colors

XYZ(8.2723, 21.6881, 34.9891)

Have a look what the booklet for
XYZ(8.2723, 21.6881, 34.9891)
contains.

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Color

**XYZ(18.2276, 26.8540,
35.6751)**

Conversions

Conversions Part 1

Format	Color
Hex	009E9C
RGB	0, 158, 156
RGB Percent	0%, 62%, 61%
CMY	0.9999, 0.3804, 0.3882
CMYK	1.00, 0.00, 0.01, 0.38
HSL	179°, 100%, 31%
HSV	179°, 100%, 62%
XYZ	18.2276, 26.8540, 35.6751
YIQ	110.5300, -93.5260, -34.1180

Conversions

Conversions Part 2

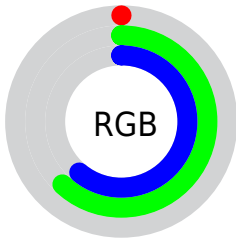
Format	Color
RYB	0, 80, 158
Decimal	40604
CIELab	58.84, -34.24, -8.85
CIELCh	59, 35.369, 194.485
Yxy	26.8540, 0.2257, 0.3325
Android (android.graphics.Color)	4278230684 (0xFF009E9C)
YUV	110.5300, 22.4167, -96.9348
Hunter-Lab	51.8208, -27.9004, -4.5425

Details

The XYZ color **18.2276, 26.8540, 35.6751** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.1124, 7.2743, 0.7185**, and the grayscale version is **14.9327, 15.7103, 17.1086**.

A 20% lighter version of the original color is **39.8407, 54.5170, 69.3958**, and **7.7038, 11.3280, 15.1451** is the 20% darker color. If you saturate the color by 10%, you get **18.2281, 26.8548, 35.6756**, and if you desaturate by 10%, it is **18.4558, 26.9703, 35.7749**.

Distribution



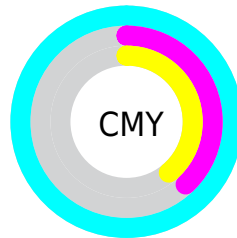
- Red (0%)
- Green (62%)
- Blue (61%)



- Red (0%)
- Yellow (31%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2276, 26.8540, 35.6751 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 18.2276, 26.8540, 35.6751 by changing the saturation by 10% instead.


 18.2276, 26.8540,
35.6751


 18.2276, 26.8540,
35.6751


235.1716,
286.9495, 342.5326


 11.2142, 17.4636,
23.8957


 39.9518, 54.6495,
69.6937


 6.2794, 10.5656,
15.0448


 55.3933, 73.8234,
92.7699


 3.0580, 5.7755,
8.7038


 74.3749, 97.0272,
120.4488

 1.1845, 2.7091,
4.4543

 97.2620, 124.6454,
153.1490

 0.0941, 0.9818,
1.8778

 124.4198,
157.0623, 191.2889

 0.0000, 0.0000,
0.4785

 156.2138,

 0.0000, 0.0000,

194.6624, 235.2871

0.0000

193.0093,
237.8300, 285.5622

■ 18.2276, 26.8540,
35.6751

■ 18.2276, 26.8540,
35.6751

■ 18.2281, 26.8548,
35.6756

■ 18.4558, 26.9703,
35.7749

■ 18.8462, 27.1695,
35.8819

■ 19.4711, 27.4898,
36.0000

■ 20.3605, 27.9463,
36.1306

■ 21.5399, 28.5523,
36.2750

■ 23.0317, 29.3194,
36.4341

■ 24.8562, 30.2580,
36.6089

■ 27.0320, 31.3777,
36.8003

■ 29.5763, 32.6873,
37.0091

Harmonies

Analogous

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



18.2589, 26.8540, 23.2677



18.2276, 26.8540, 35.6751



19.9905, 26.8540, 49.5309

Triad

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



18.2276, 26.8540, 35.6751



31.8704, 26.8540, 49.9669



27.8362, 26.8540, 11.6518

Complementary

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



18.2276, 26.8540, 35.6751



14.1124, 7.2743, 0.7185

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.



31.9944, 26.8540, 15.4201



18.2276, 26.8540, 35.6751



34.4983, 26.8540, 36.1544

Square

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



18.2276, 26.8540, 35.6751



27.6819, 26.8540, 59.2445



34.5461, 26.8540, 23.6284



23.4811, 26.8540, 11.5912

Rectangle

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



18.2276, 26.8540, 35.6751



22.0756, 26.8540, 56.7491



34.5461, 26.8540, 23.6284



29.3138, 26.8540, 12.4654

Sweetspot

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



18.2284, 26.8550, 35.6757



44.9200, 54.8348, 66.4596



12.2607, 24.4717, 4.0781



9.8170, 12.2029, 14.9542



76.7382, 80.7346, 87.9200



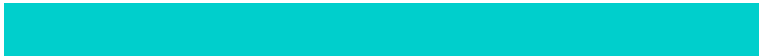
13.3056, 13.9985, 15.2444

Same Dimension

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



18.2284, 26.8550, 35.6757



33.0951, 48.7643, 64.7531



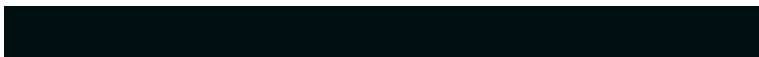
9.1628, 8.4504, 33.4969



6.8182, 7.5080, 8.4774



14.5995, 21.5077, 28.5777



0.2621, 0.3850, 0.5164

Inverse Universe

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



14.1124, 7.2743, 0.7185



25.6209, 13.2064, 1.2739



16.7119, 12.4910, 1.5309



6.6363, 6.6474, 6.9359



11.3030, 5.8258, 0.5807



0.2030, 0.1045, 0.0150

Previews

White Background



This preview shows how the XYZ color 18.2276, 26.8540, 35.6751 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 18.2276, 26.8540, 35.6751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

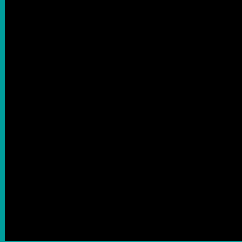
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2276, 26.8540, 35.6751

Background



This preview shows how black text looks on a background with the XYZ color 18.2276, 26.8540, 35.6751.

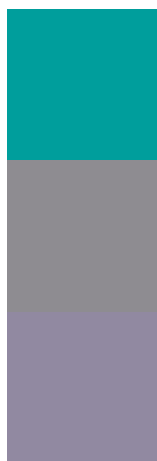


This preview shows how white text looks on a background with the XYZ color 18.2276, 26.8540,

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

18.2276, 26.8540, 35.6751

Protanopia

25.6442, 26.5513, 30.5614

Deuteranopia

27.0557, 26.4843, 37.4042



Tritanopia

19.5853, 26.9175, 41.6995

Trichromacy



Original Color

18.2276, 26.8540, 35.6751

Protanomaly

20.0750, 25.2110, 32.2419

Deuteranomaly

20.7970, 25.0293, 36.5359

Tritanomaly

19.0264, 26.9327, 39.3177

Monochromacy



Original Color

18.2276, 26.8540, 35.6751

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.1485, 18.3102, 22.8672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2276, 26.8540, 35.6751 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, 158, 156)` looks like.

```
.text, #text, p{  
  color:rgb(0, 158, 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, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.2276, 26.8540, 35.6751 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, 158, 156) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2276, 26.8540, 35.6751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 156) }
```

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

```
.background{ background-color: rgb(0, 158,  
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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