

Converting Colors

XYZ(13.8601, 27.6138, 25.3487)

Have a look what the booklet for
XYZ(13.8601, 27.6138, 25.3487)
contains.

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Color

**XYZ(18.1504, 29.9609,
25.5953)**

Conversions

Conversions Part 1

Format	Color
Hex	00A981
RGB	0, 169, 129
RGB Percent	0%, 66%, 51%
CMY	0.9999, 0.3372, 0.4941
CMYK	1.00, 0.00, 0.24, 0.34
HSL	166°, 100%, 33%
HSV	166°, 100%, 66%
XYZ	18.1504, 29.9609, 25.5953
YIQ	113.9090, -87.8840, -48.2680

Conversions

Conversions Part 2

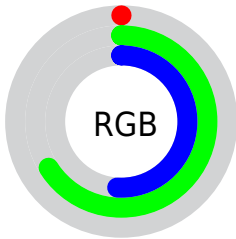
Format	Color
RYB	0, 96, 169
Decimal	43393
CIELab	61.62, -46.64, 10.40
CIELCh	62, 47.786, 167.435
Yxy	29.9609, 0.2463, 0.4065
Android (android.graphics.Color)	4278233473 (0xFF00A981)
YUV	113.9090, 7.4399, -99.8982
Hunter-Lab	54.7366, -36.5991, 10.5911

Details

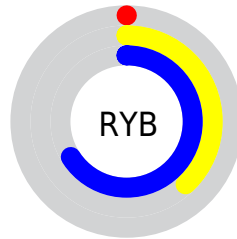
The XYZ color **18.1504, 29.9609, 25.5953** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.7462, 8.5890, 2.7842**, and the grayscale version is **15.9660, 16.7974, 18.2924**.

A 20% lighter version of the original color is **39.7823, 59.5031, 53.6445**, and **7.6934, 13.0700, 9.7067** is the 20% darker color. If you saturate the color by 10%, you get **18.1508, 29.9619, 25.5947**, and if you desaturate by 10%, it is **18.6519, 30.1889, 27.0350**.

Distribution



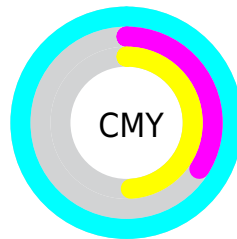
- Red (0%)
- Green (66%)
- Blue (51%)



- Red (0%)
- Yellow (38%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1504, 29.9609, 25.5953 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 18.1504, 29.9609, 25.5953 by changing the saturation by 10% instead.

■ 18.1504, 29.9609,
25.5953

■ 18.1504, 29.9609,
25.5953

234.7466,
301.7222, 294.3317

■ 11.1584, 19.8089,
16.2981

■ 39.8215, 59.6003,
53.5974

■ 6.2415, 12.2562,
9.5787

■ 55.2313, 79.8566,
73.1393

■ 3.0345, 6.9184,
5.0186

■ 74.1777, 104.2497,
96.9333

■ 1.1721, 3.4111,
2.1992

■ 97.0261, 133.1641,
125.3977

■ 0.0841, 1.3500,
0.6739

■ 124.1418,
166.9841, 158.9513

■ 0.0000, 0.1794,
0.0000

■ 155.8903,

■ 0.0000, 0.0000,

206.0942, 198.0124

0.0000

192.6367,
250.8788, 242.9997

■ 18.1504, 29.9609,
25.5953

■ 18.1504, 29.9609,
25.5953

■ 18.1508, 29.9619,
25.5947

■ 18.6519, 30.1889,
27.0350

■ 19.3577, 30.5201,
28.5386

■ 20.3474, 30.9966,
30.1110

■ 21.6568, 31.6366,
31.7545

■ 23.3162, 32.4558,
33.4711

■ 25.3523, 33.4679,
35.2627

■ 27.7891, 34.6853,
37.1308

■ 30.6487, 36.1193,
39.0771

■ 33.9516, 37.7806,
41.1031

Harmonies

Analogous

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



20.4023, 29.9609, 14.2340



18.1504, 29.9609, 25.5953



18.3499, 29.9609, 44.2529

Triad

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



18.1504, 29.9609, 25.5953



32.2916, 29.9609, 78.6097



37.5537, 29.9609, 13.0600

Complementary

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



18.1504, 29.9609, 25.5953



16.7462, 8.5890, 2.7842

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.



41.7766, 29.9609, 23.2321



18.1504, 29.9609, 25.5953



38.4423, 29.9609, 62.4293

Square

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



18.1504, 29.9609, 25.5953



25.9041, 29.9609, 79.9992



42.1241, 29.9609, 40.8304



31.2148, 29.9609, 9.0203

Rectangle

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



18.1504, 29.9609, 25.5953



19.8454, 29.9609, 58.8084



42.1241, 29.9609, 40.8304



39.3062, 29.9609, 15.6574

Sweetspot

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



18.1512, 29.9621, 25.5960



49.5095, 61.9883, 66.3106



15.1542, 28.8748, 4.7751



10.3918, 13.3112, 14.1560



80.6108, 84.8088, 92.3568



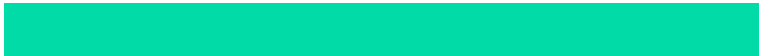
14.7206, 15.4872, 16.8656

Same Dimension

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



18.1512, 29.9621, 25.5960



32.4210, 53.6242, 45.3899



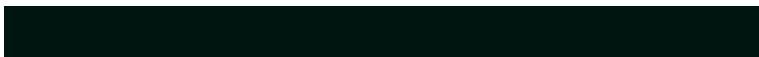
14.7198, 17.9806, 40.2322



7.6705, 8.5012, 9.2508



13.5487, 22.3382, 19.1881



0.3476, 0.5507, 0.5615

Inverse Universe

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



16.7462, 8.5890, 2.7842



29.9216, 15.3538, 4.6248



17.2002, 10.1100, 1.0453



7.6012, 7.5703, 8.2171



12.4982, 6.4080, 2.1690



0.3232, 0.1635, 0.1532

Previews

White Background



This preview shows how the XYZ color 18.1504, 29.9609, 25.5953 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 18.1504, 29.9609, 25.5953 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 18.1504, 29.9609, 25.5953

Background



This preview shows how black text looks on a background with the XYZ color 18.1504, 29.9609, 25.5953.

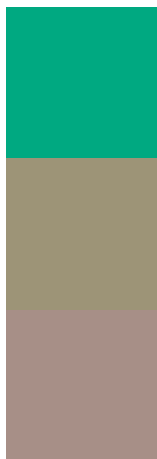


This preview shows how white text looks on a background with the XYZ color 18.1504, 29.9609,

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

18.1504, 29.9609, 25.5953

Protanopia

27.8243, 29.6798, 21.7150

Deuteranopia

30.1320, 29.6097, 27.0488



Tritanopia

22.4019, 30.0859, 45.7007

Trichromacy



Original Color

18.1504, 29.9609, 25.5953



Protanomaly

20.7191, 27.9163, 23.0353



Deuteranomaly

21.4057, 27.2141, 26.3149



Tritanomaly

20.3728, 29.7536, 37.4701

Monochromacy



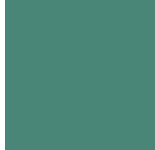
Original Color

18.1504, 29.9609, 25.5953



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.6025, 19.7986, 20.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1504, 29.9609, 25.5953 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, 169, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 129)  
}
```

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, 169, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.1504, 29.9609, 25.5953 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, 169, 129) }
```


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

```
.border{ border-color:rgb(0, 169, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 169, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1504, 29.9609, 25.5953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 129) }
```

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

```
.background{ background-color: rgb(0, 169,  
129) }
```

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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