

Converting Colors

XYZ(15.6137, 25.8341, 21.8312)

Have a look what the booklet for
XYZ(15.6137, 25.8341, 21.8312)
contains.

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Color

**XYZ(15.6170, 25.8098,
21.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	009E78
RGB	0, 158, 120
RGB Percent	0%, 62%, 47%
CMY	1.0000, 0.3804, 0.5294
CMYK	1.00, 0.00, 0.24, 0.38
HSL	166°, 100%, 31%
HSV	166°, 100%, 62%
XYZ	15.6170, 25.8098, 21.9280
YIQ	106.4260, -81.9700, -45.3140

Conversions

Conversions Part 2

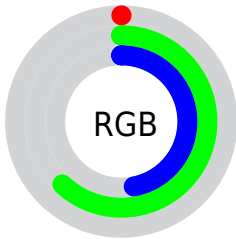
Format	Color
RYB	0, 90, 158
Decimal	40568
CIELab	57.86, -44.49, 10.11
CIELCh	58, 45.622, 167.201
Yxy	25.8098, 0.2465, 0.4074
Android (android.graphics.Color)	4278230648 (0xFF009E78)
YUV	106.4260, 6.6920, -93.3356
Hunter-Lab	50.8033, -34.0348, 9.9713

Details

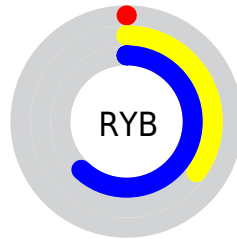
The XYZ color **15.6170, 25.8098, 21.9280** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.4512, 7.4096, 2.5033**, and the grayscale version is **13.8161, 14.5356, 15.8293**.

A 20% lighter version of the original color is **35.6128, 53.1955, 47.4205**, and **6.1889, 10.5581, 7.6730** is the 20% darker color. If you saturate the color by 10%, you get **15.6174, 25.8107, 21.9278**, and if you desaturate by 10%, it is **16.0634, 26.0134, 23.1776**.

Distribution



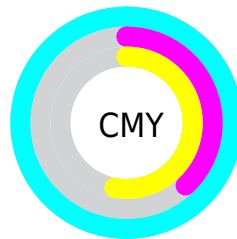
- Red (0%)
- Green (62%)
- Blue (47%)



- Red (0%)
- Yellow (35%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6170, 25.8098, 21.9280 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 15.6170, 25.8098, 21.9280 by changing the saturation by 10% instead.

■ 15.6170, 25.8098,
21.9280

■ 15.6170, 25.8098,
21.9280

220.3861,
281.8471, 275.1113

■ 9.3427, 16.6814,
13.6062

■ 35.4949, 52.9679,
47.5276

■ 5.0243, 10.0076,
7.7117

■ 49.8291, 71.7665,
65.6425

■ 2.2964, 5.4040,
3.8259

■ 67.5807, 94.5572,
87.8589

■ 0.7928, 2.4862,
1.5303

■ 89.1149, 121.7245,
114.5952

■ 0.0000, 0.8697,
0.2404

■ 114.7972,
153.6527, 146.2701

■ 0.0000, 0.0000,
0.0000

■ 144.9930,

190.7263, 183.3020

180.0675,
233.3297, 226.1096

■ 15.6170, 25.8098,
21.9280

■ 15.6170, 25.8098,
21.9280

■ 15.6174, 25.8107,
21.9278

■ 16.0634, 26.0134,
23.1776

■ 16.6811, 26.3036,
24.4830

■ 17.5428, 26.7184,
25.8486

■ 18.6783, 27.2734,
27.2765

■ 20.1132, 27.9816,
28.7683

■ 21.8702, 28.8547,
30.3256

■ 23.9697, 29.9032,
31.9497

■ 26.4302, 31.1368,
33.6422

■ 29.2691, 32.5642,
35.4043

Harmonies

Analogous

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



17.5780, 25.8098, 12.1703



15.6170, 25.8098, 21.9280



15.7727, 25.8098, 38.0147

Triad

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



15.6170, 25.8098, 21.9280



27.7844, 25.8098, 67.9590



32.4177, 25.8098, 11.2553

Complementary

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



15.6170, 25.8098, 21.9280



14.4512, 7.4096, 2.5033

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.



36.0488, 25.8098, 20.0831



15.6170, 25.8098, 21.9280



33.1123, 25.8098, 54.0260

Square

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



15.6170, 25.8098, 21.9280



22.2683, 25.8098, 69.0465



36.3205, 25.8098, 35.3392



26.9429, 25.8098, 7.7400

Rectangle

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



15.6170, 25.8098, 21.9280



17.0531, 25.8098, 50.6066



36.3205, 25.8098, 35.3392



33.9277, 25.8098, 13.5103

Sweetspot

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



15.6177, 25.8108, 21.9286



43.2832, 54.1801, 57.8402



13.0835, 24.8960, 4.1161



9.4028, 12.0372, 12.7731



76.7382, 80.7346, 87.9200



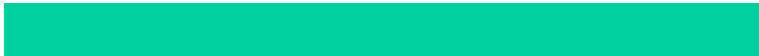
13.3056, 13.9985, 15.2444

Same Dimension

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



15.6177, 25.8108, 21.9286



28.2786, 46.8378, 39.3900



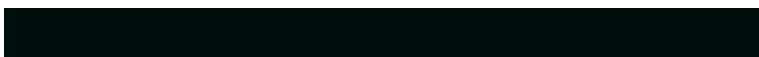
12.7099, 15.5448, 34.6795



6.7536, 7.4822, 8.1370



12.5234, 20.6773, 17.6451



0.2392, 0.3758, 0.3957

Inverse Universe

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



14.4512, 7.4096, 2.5033



26.1754, 13.4282, 4.1939



14.8435, 8.7541, 0.9077



6.6952, 6.6710, 7.2461



11.5869, 5.9393, 2.0755



0.2221, 0.1122, 0.1156

Previews

White Background



This preview shows how the XYZ color 15.6170, 25.8098, 21.9280 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 15.6170, 25.8098, 21.9280 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 15.6170, 25.8098, 21.9280

Background



This preview shows how black text looks on a background with the XYZ color 15.6170, 25.8098, 21.9280.



This preview shows how white text looks on a background with the XYZ color 15.6170, 25.8098,

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

15.6170, 25.8098, 21.9280

Protanopia

23.9356, 25.5058, 18.4134

Deuteranopia

25.7995, 25.3236, 22.9302



Tritanopia

19.2445, 25.8149, 39.0904

Trichromacy



Original Color

15.6170, 25.8098, 21.9280

Protanomaly

17.7788, 23.8454, 19.5852

Deuteranomaly

18.3937, 23.4287, 22.2916

Tritanomaly

17.4966, 25.5564, 32.0277

Monochromacy



Original Color

15.6170, 25.8098, 21.9280

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.5176, 17.0082, 17.6621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6170, 25.8098, 21.9280 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.6170, 25.8098, 21.9280 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, 120) }
```


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

```
.border{ border-color:rgb(0, 158, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6170, 25.8098, 21.9280 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, 120) }
```

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

```
.background{ background-color: rgb(0, 158,  
120) }
```

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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