

Converting Colors

XYZ(15.2962, 25.7563, 16.8950)

Have a look what the booklet for
XYZ(15.2962, 25.7563, 16.8950)
contains.

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Color

**XYZ(15.3022, 25.7563,
16.9969)**

Conversions

Conversions Part 1

Format	Color
Hex	219E67
RGB	33, 158, 103
RGB Percent	13%, 62%, 40%
CMY	0.8706, 0.3804, 0.5961
CMYK	0.79, 0.00, 0.35, 0.38
HSL	154°, 65%, 37%
HSV	154°, 79%, 62%
XYZ	15.3022, 25.7563, 16.9969
YIQ	114.3550, -56.8450, -43.6050

Conversions

Conversions Part 2

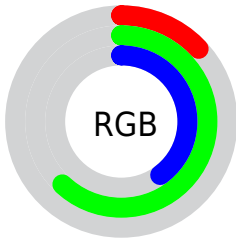
Format	Color
RYB	33, 113, 158
Decimal	2203239
CIELab	57.81, -46.12, 19.56
CIELCh	58, 50.098, 157.016
Yxy	25.7563, 0.2636, 0.4437
Android (android.graphics.Color)	4280393319 (0xFF219E67)
YUV	114.3550, -5.5980, -71.3483
Hunter-Lab	50.7507, -34.9928, 15.6687

Details

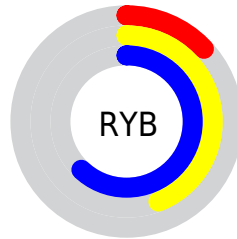
The XYZ color **15.3022, 25.7563, 16.9969** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.4066, 9.0619, 10.1178**, and the grayscale version is **16.1301, 16.9701, 18.4804**.

A 20% lighter version of the original color is **35.0249, 53.0789, 38.9711**, and **5.7412, 10.3790, 5.3152** is the 20% darker color. If you saturate the color by 10%, you get **14.5757, 25.4211, 15.2168**, and if you desaturate by 10%, it is **16.2964, 26.2275, 18.9422**.

Distribution



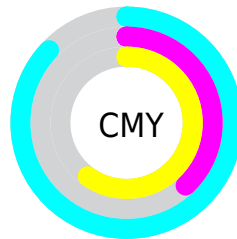
- Red (13%)
- Green (62%)
- Blue (40%)



- Red (13%)
- Yellow (44%)
- Blue (62%)



- Cyan (79%)
- Magenta (0%)
- Yellow (35%)
- Black (38%)



- Cyan (87%)
- Magenta (38%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3022, 25.7563, 16.9969 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 15.3022, 25.7563, 16.9969 by changing the saturation by 10% instead.

■ 15.3022, 25.7563,
16.9969

■ 15.3022, 25.7563,
16.9969

218.5404,
281.5837, 247.1979

■ 9.1194, 16.6414,
10.0703

■ 34.9498, 52.8815,
39.1110

■ 4.8769, 9.9792,
5.3394

■ 49.1453, 71.6607,
55.1357

■ 2.2092, 5.3851,
2.3856

■ 66.7425, 94.4300,
75.0301

■ 0.7476, 2.4750,
0.7786

■ 88.1067, 121.5740,
99.2129

■ 0.0000, 0.8641,
0.0000

■ 113.6032,
153.4769, 128.1025

■ 0.0000, 0.0000,
0.0000

■ 143.5974,

190.5233, 162.1175

178.4547,
233.0974, 201.6764

■ 15.3022, 25.7563,
16.9969

■ 15.3022, 25.7563,
16.9969

■ 14.5757, 25.4211,
15.2168

■ 16.2964, 26.2275,
18.9422

■ 14.0521, 25.1866,
13.5934

■ 17.5865, 26.8471,
21.0558

■ 14.0087, 25.1672,
13.4565

■ 19.1989, 27.6294,
23.3430

■ 21.1566, 28.5861,
25.8081

■ 23.4802, 29.7278,
28.4554

■ 26.1889, 31.0642,
31.2888

■ 29.3003, 32.6045,
34.3122

■ 32.8309, 34.3571,
37.5293

■ 36.7964, 36.3299,
40.9439

Harmonies

Analogous

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



18.1570, 25.7563, 9.0394



15.3022, 25.7563, 16.9969



14.7023, 25.7563, 32.2877

Triad

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



15.3022, 25.7563, 16.9969



25.9206, 25.7563, 75.4384



34.9252, 25.7563, 12.4561

Complementary

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



15.3022, 25.7563, 16.9969



16.4066, 9.0619, 10.1178

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.



37.8472, 25.7563, 24.1899



15.3022, 25.7563, 16.9969



32.1245, 25.7563, 63.6771

Square

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



15.3022, 25.7563, 16.9969



20.2365, 25.7563, 70.9252



36.7463, 25.7563, 43.0682



29.2801, 25.7563, 7.2677

Rectangle

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



15.3022, 25.7563, 16.9969



15.5550, 25.7563, 45.9410



36.7463, 25.7563, 43.0682



36.2973, 25.7563, 15.5288

Sweetspot

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



15.3029, 25.7573, 16.9975



44.8336, 55.0655, 54.0197



16.6460, 26.7008, 5.7155



9.7450, 12.2357, 11.7930



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.



15.3029, 25.7573, 16.9975



25.7362, 45.8357, 25.3270



17.9872, 25.1684, 36.2589



6.6984, 7.4601, 7.8466



11.2392, 20.1636, 10.8826



0.2220, 0.3690, 0.3055

Inverse Universe

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



16.4066, 9.0619, 10.1178



27.8609, 14.2817, 12.5163



15.1095, 8.8469, 2.3503



6.7482, 6.6922, 7.5253



12.1856, 6.1788, 5.2286



0.2388, 0.1188, 0.2037

Previews

White Background



This preview shows how the XYZ color 15.3022, 25.7563, 16.9969 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 15.3022, 25.7563, 16.9969 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 15.3022, 25.7563, 16.9969

Background



This preview shows how black text looks on a background with the XYZ color 15.3022, 25.7563, 16.9969.



This preview shows how white text looks on a background with the XYZ color 15.3022, 25.7563,

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

15.3022, 25.7563, 16.9969

Protanopia

23.5033, 25.3747, 14.2487

Deuteranopia

25.7095, 25.1837, 17.9739



Tritanopia

19.7274, 25.8343, 38.5971

Trichromacy



Original Color

15.3022, 25.7563, 16.9969

Protanomaly

18.3465, 24.2397, 15.0210

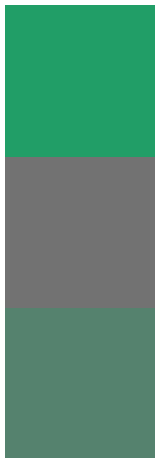
Deuteranomaly

19.1181, 23.6887, 17.4747

Tritanomaly

17.7795, 25.7644, 29.2352

Monochromacy



Original Color

15.3022, 25.7563, 16.9969

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.5434, 19.0223, 17.6570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3022, 25.7563, 16.9969 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(33, 158, 103)` looks like.

```
.text, #text, p{  
    color:rgb(33, 158, 103)  
}
```

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(33, 158, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 158, 103) }
```

Border

The CSS property to change the border of an element to XYZ 15.3022, 25.7563, 16.9969 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(33, 158, 103) }
```


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

```
.border{ border-color:rgb(33, 158, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 158, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 158, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 158, 103);  
box-shadow:4px 4px 4px 4px rgb(33, 158,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3022, 25.7563, 16.9969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 158, 103) }
```

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

```
.background{ background-color: rgb(33, 158,  
103) }
```

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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