

Converting Colors

XYZ(9.3275, 23.9754, 17.9431)

Have a look what the booklet for
XYZ(9.3275, 23.9754, 17.9431)
contains.

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Color

**XYZ(15.7510, 27.2559,
18.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	00A36B
RGB	0, 163, 107
RGB Percent	0%, 64%, 42%
CMY	1.0000, 0.3608, 0.5804
CMYK	1.00, 0.00, 0.34, 0.36
HSL	159°, 100%, 32%
HSV	159°, 100%, 64%
XYZ	15.7510, 27.2559, 18.3407
YIQ	107.8790, -79.1720, -51.9720

Conversions

Conversions Part 2

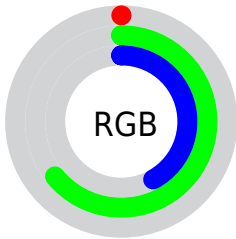
Format	Color
RYB	0, 98, 163
Decimal	41835
CIELab	59.21, -49.55, 19.22
CIELCh	59, 53.142, 158.798
Yxy	27.2559, 0.2568, 0.4443
Android (android.graphics.Color)	4278231915 (0xFF00A36B)
YUV	107.8790, -0.4333, -94.6099
Hunter-Lab	52.2072, -37.5088, 15.7161

Details

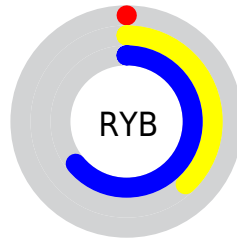
The XYZ color **15.7510, 27.2559, 18.3407** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.8189, 8.0726, 4.4670**, and the grayscale version is **14.2381, 14.9795, 16.3127**.

A 20% lighter version of the original color is **35.8060, 55.3399, 41.5954**, and **6.3653, 11.4676, 6.0157** is the 20% darker color. If you saturate the color by 10%, you get **15.7515, 27.2569, 18.3406**, and if you desaturate by 10%, it is **16.2749, 27.4916, 19.9542**.

Distribution



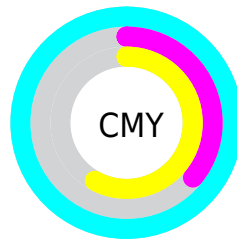
- Red (0%)
- Green (64%)
- Blue (42%)



- Red (0%)
- Yellow (38%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7510, 27.2559, 18.3407 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 15.7510, 27.2559, 18.3407 by changing the saturation by 10% instead.

■ 15.7510, 27.2559,
18.3407

■ 15.7510, 27.2559,
18.3407

■ 221.1673,
288.8940, 255.0847

■ 9.4379, 17.7655,
11.0229

■ 35.7263, 55.2942,
41.4388

■ 5.0872, 10.7818,
5.9679

■ 50.1192, 74.6110,
58.0561

■ 2.3338, 5.9203,
2.7571

■ 67.9361, 97.9719,
78.6104

■ 0.8119, 2.7967,
0.9720

■ 89.5423, 125.7615,
103.5202

■ 0.0000, 1.0265,
0.0000

■ 115.3031,
158.3641, 133.2039

■ 0.0000, 0.0000,
0.0000

■ 145.5840,

196.1641, 168.0803

180.7503,
239.5460, 208.5677

■ 15.7510, 27.2559,
18.3407

■ 15.7510, 27.2559,
18.3407

■ 15.7515, 27.2569,
18.3406

■ 16.2749, 27.4916,
19.9542

■ 16.9945, 27.8251,
21.6778

■ 17.9855, 28.2963,
23.5173

■ 19.2808, 28.9221,
25.4760

■ 20.9083, 29.7167,
27.5569

■ 22.8925, 30.6928,
29.7628

■ 25.2557, 31.8618,
32.0964

■ 28.0182, 33.2343,
34.5601

■ 31.1989, 34.8199,
37.1565

Harmonies

Analogous

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



18.7151, 27.2559, 9.3564



15.7510, 27.2559, 18.3407



15.2452, 27.2559, 35.6151

Triad

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



15.7510, 27.2559, 18.3407



27.9039, 27.2559, 82.3087



37.1575, 27.2559, 12.1833

Complementary

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



15.7510, 27.2559, 18.3407



15.8189, 8.0726, 4.4670

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.



40.6458, 27.2559, 24.4387



15.7510, 27.2559, 18.3407



34.7366, 27.2559, 68.1624

Square

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



15.7510, 27.2559, 18.3407



21.5662, 27.2559, 78.3464



39.6914, 27.2559, 44.9248



30.7919, 27.2559, 7.0020

Rectangle

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



15.7510, 27.2559, 18.3407



16.2685, 27.2559, 50.9520



39.6914, 27.2559, 44.9248



38.7509, 27.2559, 15.3421

Sweetspot

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



15.7517, 27.2570, 18.3413



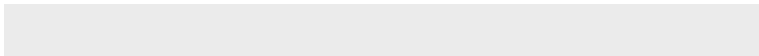
44.9731, 56.9330, 57.2393



14.7883, 27.0669, 4.4452



9.7039, 12.5904, 12.4739



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.7517, 27.2570, 18.3413



28.1113, 48.7743, 32.3329



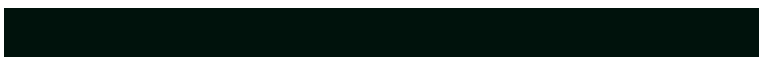
15.7793, 20.9807, 37.8696



7.1722, 7.9697, 8.5186



12.2633, 21.1917, 14.3688



0.2785, 0.4536, 0.4117

Inverse Universe

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



15.8189, 8.0726, 4.4670



28.2438, 14.4224, 7.5496



15.4410, 8.4591, 0.8192



7.1695, 7.1243, 7.8792



12.3132, 6.2813, 3.5741



0.2803, 0.1406, 0.1885

Previews

White Background



This preview shows how the XYZ color 15.7510, 27.2559, 18.3407 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 15.7510, 27.2559, 18.3407 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 15.7510, 27.2559, 18.3407

Background



This preview shows how black text looks on a background with the XYZ color 15.7510, 27.2559, 18.3407.



This preview shows how white text looks on a background with the XYZ color 15.7510, 27.2559,

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

15.7510, 27.2559, 18.3407

Protanopia

25.0145, 27.0001, 15.4484

Deuteranopia

27.3018, 26.7999, 19.3567



Tritanopia

20.4766, 27.1397, 41.2050

Trichromacy



Original Color

15.7510, 27.2559, 18.3407



Protanomaly

18.1851, 25.2937, 16.2356



Deuteranomaly

18.9738, 24.7087, 18.8082



Tritanomaly

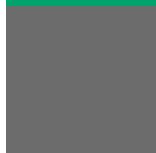
18.1427, 26.9041, 31.4309

Monochromacy



Original Color

15.7510, 27.2559, 18.3407



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.8802, 17.7863, 16.9416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7510, 27.2559, 18.3407 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, 163, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 107)  
}
```

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, 163, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 107) }
```

Border

The CSS property to change the border of an element to XYZ 15.7510, 27.2559, 18.3407 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, 163, 107) }
```


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

```
.border{ border-color:rgb(0, 163, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7510, 27.2559, 18.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 107) }
```

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

```
.background{ background-color: rgb(0, 163,  
107) }
```

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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