

Converting Colors

XYZ(15.7842, 28.7352, 10.0477)

Have a look what the booklet for
XYZ(15.7842, 28.7352, 10.0477)
contains.

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Color

**XYZ(15.8151, 28.8226,
10.0400)**

Conversions

Conversions Part 1

Format	Color
Hex	26A843
RGB	38, 168, 67
RGB Percent	15%, 66%, 26%
CMY	0.8510, 0.3412, 0.7372
CMYK	0.77, 0.00, 0.60, 0.34
HSL	133°, 63%, 40%
HSV	133°, 77%, 66%
XYZ	15.8151, 28.8226, 10.0400
YIQ	117.6160, -45.0590, -58.9710

Conversions

Conversions Part 2

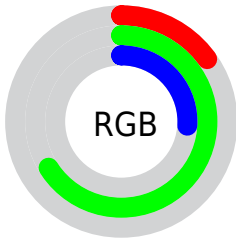
Format	Color
R_{YB}	38, 144, 168
Decimal	2533443
CIE _{Lab}	60.62, -55.27, 41.76
CIE _{LCh}	61, 69.270, 142.929
Yxy	28.8226, 0.2892, 0.5271
Android (android.graphics.Color)	4280723523 (0xFF26A843)
YUV	117.6160, -24.9537, -69.8232
Hunter-Lab	53.6867, -41.3689, 26.4928

Details

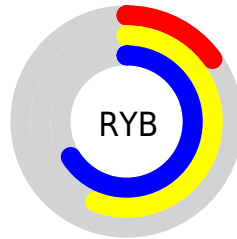
The XYZ color **15.8151, 28.8226, 10.0400** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.5026, 11.5756, 25.5276**, and the grayscale version is **17.1861, 18.0811, 19.6903**.

A 20% lighter version of the original color is **35.7514, 57.6226, 26.3775**, and **6.0966, 12.0663, 2.4232** is the 20% darker color. If you saturate the color by 10%, you get **14.9814, 28.4339, 8.1827**, and if you desaturate by 10%, it is **17.0179, 29.3931, 12.3767**.

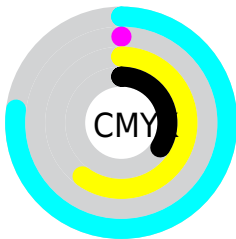
Distribution



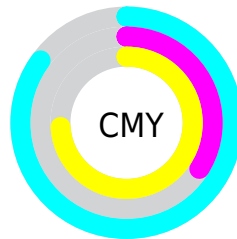
- Red (15%)
- Green (66%)
- Blue (26%)



- Red (15%)
- Yellow (56%)
- Blue (66%)



- Cyan (77%)
- Magenta (0%)
- Yellow (60%)
- Black (34%)





- Cyan (85%)
- Magenta (34%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8151, 28.8226, 10.0400 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 15.8151, 28.8226, 10.0400 by changing the saturation by 10% instead.


 15.8151, 28.8226,
10.0400

 15.8151, 28.8226,
10.0400


221.5401,
296.3770, 201.4525


 9.4834, 18.9467,
5.3195


 35.8370, 57.7951,
26.4797


 5.1174, 11.6317,
2.3739


 50.2578, 77.6605,
39.0360

 2.3518, 6.4934,
0.7722


 68.1059, 101.6244,
55.0414

 0.8210, 3.1474,
0.0000

 89.7463, 130.0714,
74.9143

 0.0000, 1.2092,
0.0000

 115.5446,
163.3857, 99.0733

 0.0000, 0.0692,
0.0000

145.8661,

 0.0000, 0.0000,

201.9519, 127.9370

0.0000

181.0762,
246.1541, 161.9239

■ 15.8151, 28.8226,
10.0400

■ 15.8151, 28.8226,
10.0400

■ 14.9814, 28.4339,
8.1827

■ 17.0179, 29.3931,
12.3767

■ 14.4568, 28.1942,
6.7686

■ 18.6267, 30.1611,
15.2209

■ 14.3447, 28.1430,
6.4661

■ 20.6758, 31.1448,
18.6012

■ 23.1953, 32.3590,
22.5432

■ 26.2127, 33.8174,
27.0709

■ 29.7532, 35.5326,
32.2069

■ 33.8404, 37.5162,
37.9727

■ 38.4963, 39.7792,
44.3886

■ 43.7417, 42.3320,
51.4741

Harmonies

Analogous

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



21.2135, 28.8226, 4.3393



15.8151, 28.8226, 10.0400



13.6027, 28.8226, 25.6899

Triad

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



15.8151, 28.8226, 10.0400



25.3275, 28.8226, 110.2845



46.5337, 28.8226, 15.8120

Complementary

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



15.8151, 28.8226, 10.0400



21.5026, 11.5756, 25.5276

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.



48.3080, 28.8226, 37.8604



15.8151, 28.8226, 10.0400



34.6739, 28.8226, 102.3360

Square

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



15.8151, 28.8226, 10.0400



18.2629, 28.8226, 89.5463



43.5778, 28.8226, 71.5364



39.1544, 28.8226, 6.1755

Rectangle

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



15.8151, 28.8226, 10.0400



13.7954, 28.8226, 43.7743



43.5778, 28.8226, 71.5364



47.8629, 28.8226, 21.5830

Sweetspot

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



15.8158, 28.8238, 10.0407



49.9920, 62.5393, 52.6770



25.1407, 33.7076, 7.0150



10.4299, 13.4051, 10.7991



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.



15.8158, 28.8238, 10.0407



26.4509, 51.2595, 12.8936



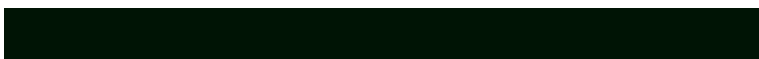
18.9108, 30.0618, 26.3387



7.5027, 8.4341, 8.3676



10.8487, 21.2582, 4.9699



0.2822, 0.5245, 0.2171

Inverse Universe

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



21.5026, 11.5756, 25.5276



37.1002, 18.5066, 41.5598



18.1066, 10.2172, 7.6449



7.7692, 7.6375, 9.1019



15.2837, 7.5222, 16.8375



0.3891, 0.1899, 0.5005

Previews

White Background



This preview shows how the XYZ color 15.8151, 28.8226, 10.0400 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 15.8151, 28.8226, 10.0400 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 15.8151, 28.8226, 10.0400

Background



This preview shows how black text looks on a background with the XYZ color 15.8151, 28.8226, 10.0400.



This preview shows how white text looks on a background with the XYZ color 15.8151, 28.8226,

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

15.8151, 28.8226, 10.0400

Protanopia

25.8413, 28.2584, 8.3674

Deuteranopia

28.7531, 28.1637, 10.7582



Tritanopia

22.3842, 28.8519, 42.4194

Trichromacy



Original Color

15.8151, 28.8226, 10.0400



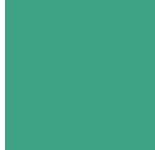
Protanomaly

19.6246, 26.9233, 8.8650



Deuteranomaly

20.7024, 26.4880, 10.3249



Tritanomaly

19.1406, 28.5582, 26.6938

Monochromacy



Original Color

15.8151, 28.8226, 10.0400



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.1761, 20.6330, 14.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8151, 28.8226, 10.0400 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(38, 168, 67)` looks like.

```
.text, #text, p{  
    color:rgb(38, 168, 67)  
}
```

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(38, 168, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 168, 67) }
```

Border

The CSS property to change the border of an element to XYZ 15.8151, 28.8226, 10.0400 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(38, 168, 67) }
```


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

```
.border{ border-color:rgb(38, 168, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 168, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 168, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 168, 67);  
box-shadow:4px 4px 4px 4px rgb(38, 168,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8151, 28.8226, 10.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 168, 67) }
```

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

```
.background{ background-color: rgb(38, 168,  
67) }
```

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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