

Converting Colors

XYZ(14.3767, 27.6428, 14.7590)

Have a look what the booklet for
XYZ(14.3767, 27.6428, 14.7590)
contains.

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Color

**XYZ(15.7505, 28.4101,
14.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	00A75C
RGB	0, 167, 92
RGB Percent	0%, 65%, 36%
CMY	1.0000, 0.3451, 0.6392
CMYK	1.00, 0.00, 0.45, 0.35
HSL	153°, 100%, 33%
HSV	153°, 100%, 65%
XYZ	15.7505, 28.4101, 14.7788
YIQ	108.5170, -75.4570, -58.7290

Conversions

Conversions Part 2

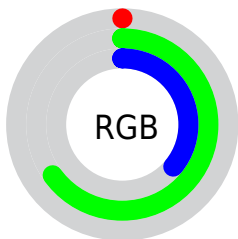
Format	Color
RYB	0, 108, 167
Decimal	42844
CIELab	60.26, -54.06, 28.69
CIELCh	60, 61.205, 152.041
Yxy	28.4101, 0.2672, 0.4820
Android (android.graphics.Color)	4278232924 (0xFF00A75C)
YUV	108.5170, -8.1429, -95.1694
Hunter-Lab	53.3011, -40.5302, 20.8715

Details

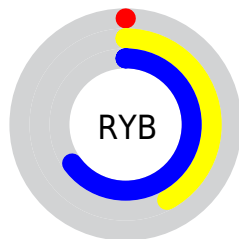
The XYZ color **15.7505, 28.4101, 14.7788** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.2075, 8.7242, 7.4358**, and the grayscale version is **14.4381, 15.1900, 16.5419**.

A 20% lighter version of the original color is **35.6600, 56.9827, 35.1059**, and **6.3598, 11.9921, 4.3624** is the 20% darker color. If you saturate the color by 10%, you get **15.7508, 28.4111, 14.7782**, and if you desaturate by 10%, it is **16.3215, 28.6655, 16.6035**.

Distribution



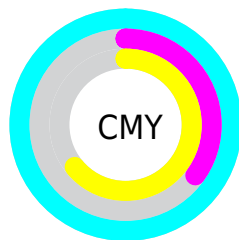
- Red (0%)
- Green (65%)
- Blue (36%)



- Red (0%)
- Yellow (42%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7505, 28.4101, 14.7788 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 15.7505, 28.4101, 14.7788 by changing the saturation by 10% instead.


 15.7505, 28.4101,
14.7788


 15.7505, 28.4101,
14.7788


221.1644,
294.4214, 233.6179


 9.4375, 18.6350,
8.5194


 35.7255, 57.1385,
35.2015


 5.0870, 11.4069,
4.3366


 50.1182, 76.8607,
50.2018


 2.3337, 6.3412,
1.8117


 67.9348, 100.6673,
68.9528

 0.8118, 3.0536,
0.4357

 89.5407, 128.9428,
91.8732

 0.0000, 1.1598,
0.0000

 115.3012,
162.0715, 119.3813

 0.0000, 0.0285,
0.0000

 145.5818,

 0.0000, 0.0000,

200.4380, 151.8958

0.0000

180.7477,
244.4264, 189.8351

■ 15.7505, 28.4101,
14.7788

■ 15.7505, 28.4101,
14.7788

■ 15.7508, 28.4111,
14.7782

■ 16.3215, 28.6655,
16.6035

■ 17.1137, 29.0302,
18.6122

■ 18.2062, 29.5458,
20.8137

■ 19.6343, 30.2304,
23.2140

■ 21.4280, 31.0993,
25.8187

■ 23.6141, 32.1662,
28.6331

■ 26.2166, 33.4435,
31.6623

■ 29.2573, 34.9423,
34.9112

■ 32.7569, 36.6732,
38.3844

Harmonies

Analogous

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



19.7648, 28.4101, 6.8638



15.7505, 28.4101, 14.7788



14.5595, 28.4101, 32.4982

Triad

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



15.7505, 28.4101, 14.7788



27.5438, 28.4101, 97.3057



41.9137, 28.4101, 13.2091

Complementary

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



15.7505, 28.4101, 14.7788



17.2075, 8.7242, 7.4358

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.



45.0568, 28.4101, 29.4204



15.7505, 28.4101, 14.7788



35.8222, 28.4101, 83.9036

Square

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



15.7505, 28.4101, 14.7788



20.5303, 28.4101, 86.9320



42.6381, 28.4101, 55.9294



34.7103, 28.4101, 6.3151

Rectangle

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



15.7505, 28.4101, 14.7788



15.2955, 28.4101, 50.1427



42.6381, 28.4101, 55.9294



43.5368, 28.4101, 17.3891

Sweetspot

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



15.7512, 28.4112, 14.7795



46.6741, 59.7571, 56.3947



16.7333, 29.1407, 4.7431



10.0051, 13.1565, 12.1193



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.



15.7512, 28.4112, 14.7795



28.1024, 50.8385, 25.9110



19.3140, 27.4673, 40.8443



7.6032, 8.4743, 8.8964



12.0773, 21.7497, 11.4396



0.3191, 0.5393, 0.4111

Inverse Universe

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



17.2075, 8.7242, 7.4358



30.7150, 15.5830, 12.7837



16.0277, 8.3973, 0.7764



7.6659, 7.5962, 8.5579



13.1906, 6.6850, 5.8155



0.3469, 0.1730, 0.2782

Previews

White Background



This preview shows how the XYZ color 15.7505, 28.4101, 14.7788 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 15.7505, 28.4101, 14.7788 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 15.7505, 28.4101, 14.7788

Background



This preview shows how black text looks on a background with the XYZ color 15.7505, 28.4101, 14.7788.



This preview shows how white text looks on a background with the XYZ color 15.7505, 28.4101,

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

15.7505, 28.4101, 14.7788

Protanopia

25.6740, 27.8557, 12.4110

Deuteranopia

28.3539, 27.8485, 15.6853



Tritanopia

21.5642, 28.4181, 42.8768

Trichromacy



Original Color

15.7505, 28.4101, 14.7788



Protanomaly

18.3154, 25.9113, 13.0529



Deuteranomaly

19.1654, 25.5906, 14.9957



Tritanomaly

18.4641, 27.8741, 29.9983

Monochromacy



Original Color

15.7505, 28.4101, 14.7788



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.8851, 18.2097, 15.6677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7505, 28.4101, 14.7788 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, 167, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 92)  
}
```

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, 167, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 92) }
```

Border

The CSS property to change the border of an element to XYZ 15.7505, 28.4101, 14.7788 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, 167, 92) }
```


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

```
.border{ border-color:rgb(0, 167, 92) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 167, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7505, 28.4101, 14.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 92) }
```

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

```
.background{ background-color: rgb(0, 167,  
92) }
```

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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