

Converting Colors

XYZ(15.6171, 28.7710, 7.7479)

Have a look what the booklet for
XYZ(15.6171, 28.7710, 7.7479)
contains.

XYZ(15.6171, 28.7710, 7.7479)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.6171, 28.7710,
7.7479)**

Conversions

Conversions Part 1	
Format	Color
Hex	2CA832
RGB	44, 168, 50
RGB Percent	17%, 66%, 20%
CMY	0.8274, 0.3412, 0.8039
CMYK	0.74, 0.00, 0.70, 0.34
HSL	123°, 58%, 42%
HSV	123°, 74%, 66%
XYZ	15.6171, 28.7710, 7.7479
YIQ	117.4720, -36.0260, -62.9860

Conversions

Conversions Part 2

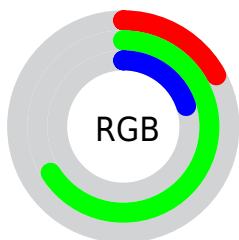
Format	Color
RYB	44, 162, 168
Decimal	2926642
CIELab	60.58, -56.22, 49.15
CIELCh	61, 74.682, 138.838
Yxy	28.7710, 0.2995, 0.5518
Android (android.graphics.Color)	4281116722 (0xFF2CA832)
YUV	117.4720, -33.2637, -64.4349
Hunter-Lab	53.6386, -41.8966, 28.9828

Details

The XYZ color **15.6171, 28.7710, 7.7479** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **23.5715, 12.7353, 35.3985**, and the grayscale version is **17.1642, 18.0581, 19.6653**.

A 20% lighter version of the original color is **35.4105, 57.5418, 22.0723**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.7495, 28.3577, 6.2109**, and if you desaturate by 10%, it is **16.8986, 29.3854, 9.9342**.

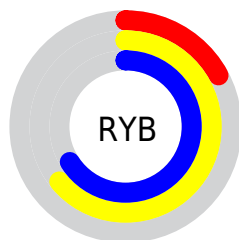
Distribution



Red (17%)

Green (66%)

Blue (20%)



Red (17%)

Yellow (64%)

Blue (66%)

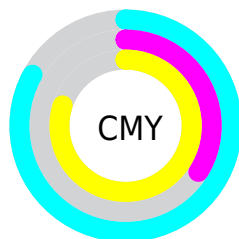


Cyan (74%)

Magenta (0%)

Yellow (70%)

Black (34%)



Cyan (83%)


Magenta (34%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6171, 28.7710, 7.7479 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 15.6171, 28.7710, 7.7479 by changing the saturation by 10% instead.


 15.6171, 28.7710,
7.7479


 15.6171, 28.7710,
7.7479


220.3867,
296.1329, 183.6012


 9.3427, 18.9077,
3.8486


 35.4950, 57.7131,
22.0007


 5.0243, 11.6036,
1.5427


 49.8293, 77.5605,
33.1912


 2.2964, 6.4744,
0.2494


 67.5809, 101.5049,
47.6493

 0.7928, 3.1356,
0.0000

 89.1152, 129.9304,
65.7934

 0.0000, 1.2029,
0.0000

 114.7976,
163.2216, 88.0422

 0.0000, 0.0641,
0.0000


 144.9934,


 0.0000, 0.0000,


201.7629, 114.8140


0.0000


180.0680,
245.9385, 146.5275


 15.6171, 28.7710,
7.7479

 15.6171, 28.7710,
7.7479


 14.7495, 28.3577,
6.2109

 16.8986, 29.3854,
9.9342


 14.2428, 28.1173,
5.2501


 18.6348, 30.2182,
12.8289


 14.0477, 28.0242,
4.9023

 20.8637, 31.2886,
16.4864


 23.6189, 32.6129,
20.9555

 26.9310, 34.2059,
26.2808

 30.8283, 36.0813,
32.5038

 35.3371, 38.2519,
39.6631

 40.4821, 40.7296,
47.7953

 46.2868, 43.5257,
56.9347

Harmonies

Analogous

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



21.7798, 28.7710, 3.1429



15.6171, 28.7710, 7.7479



12.8788, 28.7710, 22.1219

Triad

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



15.6171, 28.7710, 7.7479



23.9079, 28.7710, 117.7746



48.9433, 28.7710, 17.1062

Complementary

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



15.6171, 28.7710, 7.7479



23.5715, 12.7353, 35.3985

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.



49.8975, 28.7710, 42.7851



15.6171, 28.7710, 7.7479



33.7879, 28.7710, 113.3770

Square

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



15.6171, 28.7710, 7.7479



16.8581, 28.7710, 90.8086



43.8354, 28.7710, 80.9574



41.4725, 28.7710, 5.9295

Rectangle

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



15.6171, 28.7710, 7.7479



12.7999, 28.7710, 40.2245



43.8354, 28.7710, 80.9574



50.0930, 28.7710, 23.8485

Sweetspot

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



15.6178, 28.7722, 7.7485



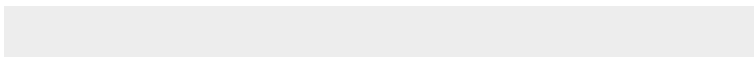
49.7968, 62.5159, 49.1752



29.7408, 36.0669, 7.7772



10.4866, 13.4492, 10.1302



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.



15.6178, 28.7722, 7.7485



26.0721, 51.1284, 9.9757



17.8638, 29.6706, 19.5761



7.4509, 8.4134, 8.0947



10.6134, 21.1641, 3.7313



0.2627, 0.5167, 0.1142

Inverse Universe

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



23.5715, 12.7353, 35.3985



41.2474, 20.4108, 62.6420



19.4416, 11.0834, 13.6510



7.8260, 7.6603, 9.4009



16.9831, 8.2020, 25.7863



0.4178, 0.2014, 0.6516

Previews

White Background



This preview shows how the XYZ color 15.6171, 28.7710, 7.7479 looks on a white background.

Color Contrast Check

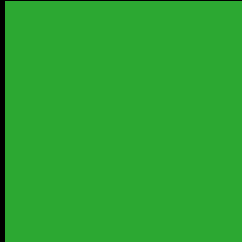
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6171, 28.7710, 7.7479 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 15.6171, 28.7710, 7.7479

Background



This preview shows how black text looks on a background with the XYZ color 15.6171, 28.7710, 7.7479.



This preview shows how white text looks on a background with the XYZ color 15.6171, 28.7710,

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

15.6171, 28.7710, 7.7479

Protanopia

25.4803, 28.1140, 6.4665

Deuteranopia

28.7532, 28.2172, 8.3459



Tritanopia

22.5371, 28.6785, 42.3779

Trichromacy



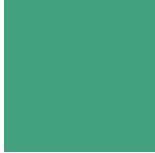
Original Color
15.6171, 28.7710, 7.7479



Protanomaly
19.4921, 26.9017, 6.7500



Deuteranomaly
20.8460, 26.6156, 7.9095



Tritanomaly
18.7575, 28.1543, 24.1844

Monochromacy



Original Color
15.6171, 28.7710, 7.7479



Achromatopsia
16.9083, 17.7888, 19.3720



Achromatomaly
14.9964, 20.5723, 13.5364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6171, 28.7710, 7.7479 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(44, 168, 50)` looks like.

```
.text, #text, p{  
    color:rgb(44, 168, 50)  
}
```

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(44, 168, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 168, 50) }
```

Border

The CSS property to change the border of an element to XYZ 15.6171, 28.7710, 7.7479 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(44, 168, 50) }
```


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

```
.border{ border-color:rgb(44, 168, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 168, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 168, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 168, 50);  
box-shadow:4px 4px 4px 4px rgb(44, 168,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6171, 28.7710, 7.7479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 168, 50) }
```

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

```
.background{ background-color: rgb(44, 168,  
50) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor