

Converting Colors

XYZ(27.9411, 36.3097, 7.7066)

Have a look what the booklet for
XYZ(27.9411, 36.3097, 7.7066)
contains.

| | |
|--|----|
| XYZ(27.9329, 36.2515, 7.7155) | 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(27.9329, 36.2515,
7.7155)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 97AC2A |
| RGB | 151, 172, 42 |
| RGB Percent | 59%, 67%, 16% |
| CMY | 0.4078, 0.3255, 0.8353 |
| CMYK | 0.12, 0.00, 0.76, 0.33 |
| HSL | 70°, 61%, 42% |
| HSV | 70°, 76%, 67% |
| XYZ | 27.9329, 36.2515, 7.7155 |
| YIQ | 150.9010, 29.2140, -44.8820 |

Conversions

Conversions Part 2

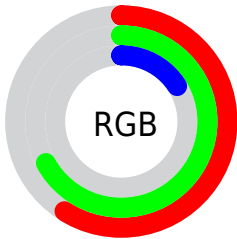
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 42, 172, 63 |
| Decimal | 9940010 |
| CIELab | 66.71, -24.09, 59.84 |
| CIELCh | 67, 64.511, 111.926 |
| Yxy | 36.2515, 0.3885, 0.5042 |
| Android (android.graphics.Color) | 4288130090 (0xFF97AC2A) |
| YUV | 150.9010, -53.6882, 0.0868 |
| Hunter-Lab | 60.2092, -22.5545, 34.5487 |

Details

The XYZ color **27.9329, 36.2515, 7.7155** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.3255, 5.6921, 39.5864**, and the grayscale version is **29.5877, 31.1285, 33.8990**.

A 20% lighter version of the original color is **55.6861, 69.2299, 21.9830**, and **11.5403, 15.9197, 2.4646** is the 20% darker color. If you saturate the color by 10%, you get **27.1793, 35.8925, 6.4041**, and if you desaturate by 10%, it is **28.8324, 36.6729, 9.7246**.

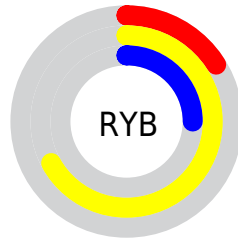
Distribution



Red (59%)

Green (67%)

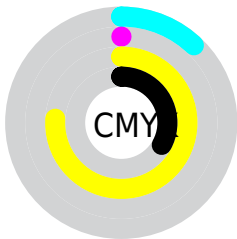
Blue (16%)



Red (16%)

Yellow (67%)

Blue (25%)

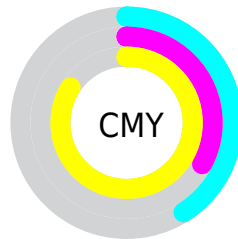


Cyan (12%)

Magenta (0%)

Yellow (76%)

Black (33%)



Cyan (41%)


Magenta (33%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9329, 36.2515, 7.7155 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 27.9329, 36.2515, 7.7155 by changing the saturation by 10% instead.


 27.9329, 36.2515,
7.7155


 27.9329, 36.2515,
7.7155


284.2320,
330.0585, 183.3337


 18.4153, 24.6285,
3.8283


 55.7867, 69.4201,
21.9357

 11.3500, 15.8005,
1.5316


 74.8536, 91.7344,
33.1057


 6.3718, 9.3831,
0.2413


 97.8342, 118.3814,
47.5405

 3.1153, 4.9919,
0.0000

 125.0941,
149.7453, 65.6585

 1.2150, 2.2425,
0.0000

 156.9984,
186.2105, 87.8783

 0.1182, 0.7430,
0.0000

 193.9126,

 0.0000, 0.0000,

228.1616, 114.6184

0.0000

236.2020,
275.9827, 146.2973

■ 27.9329, 36.2515,
7.7155

■ 27.9329, 36.2515,
7.7155

■ 27.1793, 35.8925,
6.4041

■ 28.8324, 36.6729,
9.7246

■ 26.5499, 35.5832,
5.6873

■ 29.8905, 37.1579,
12.5085

■ 26.2921, 35.4551,
5.4578

■ 31.1211, 37.7132,
16.1364

■ 32.5359, 38.3437,
20.6695

■ 34.1454, 39.0535,
26.1630

■ 35.9595, 39.8466,
32.6680

■ 37.9871, 40.7266,
40.2318

■ 40.2369, 41.6969,
48.8988

■ 42.7168, 42.7607,
58.7109

Harmonies

Analogous

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



37.1503, 36.2515, 6.6432



27.9329, 36.2515, 7.7155



21.7295, 36.2515, 14.7964

Triad

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



27.9329, 36.2515, 7.7155



24.1608, 36.2515, 98.4403



56.4905, 36.2515, 47.4833

Complementary

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



27.9329, 36.2515, 7.7155



10.3255, 5.6921, 39.5864

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.



51.3772, 36.2515, 82.5775



27.9329, 36.2515, 7.7155



31.8952, 36.2515, 119.8085

Square

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



27.9329, 36.2515, 7.7155



19.8544, 36.2515, 63.0435



41.9229, 36.2515, 112.9345



54.8827, 36.2515, 22.6577

Rectangle

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



27.9329, 36.2515, 7.7155



19.5581, 36.2515, 25.0762



41.9229, 36.2515, 112.9345



55.4713, 36.2515, 58.5320

Sweetspot

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



27.9337, 36.2532, 7.7163



62.6224, 71.1437, 49.8592



19.1280, 12.3300, 3.5627



13.3717, 15.3569, 10.0016



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.9337, 36.2532, 7.7163



48.4792, 64.7068, 10.6055



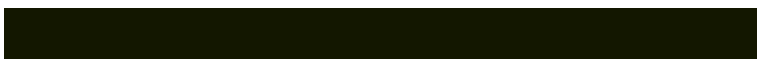
19.1491, 31.7245, 7.3051



8.5337, 9.2637, 8.5517



19.6032, 26.4029, 4.0631



0.5787, 0.7517, 0.1146

Inverse Universe

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



10.3255, 5.6921, 39.5864



15.2408, 6.6729, 71.2905



16.9537, 9.1091, 39.8966



7.6950, 7.8171, 10.0560



5.9254, 2.4145, 29.1983



0.2006, 0.0856, 0.8139

Previews

White Background



This preview shows how the XYZ color 27.9329, 36.2515, 7.7155 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.9329, 36.2515, 7.7155 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9329, 36.2515, 7.7155

Background



This preview shows how black text looks on a background with the XYZ color 27.9329, 36.2515, 7.7155.



This preview shows how white text looks on a background with the XYZ color 27.9329, 36.2515,

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

27.9329, 36.2515, 7.7155

Protanopia

32.5947, 35.9389, 7.2265

Deuteranopia

36.7599, 36.0380, 8.0362



Tritanopia

35.4235, 36.0513, 44.6267

Trichromacy



Original Color

27.9329, 36.2515, 7.7155

Protanomaly

30.8310, 36.0905, 7.4390

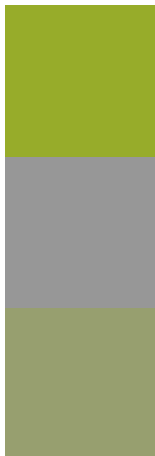
Deuteranomaly

33.0251, 35.8853, 7.8753

Tritanomaly

31.2752, 35.4025, 24.5870

Monochromacy



Original Color

27.9329, 36.2515, 7.7155

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.0299, 32.5233, 19.8392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9329, 36.2515, 7.7155 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(151, 172, 42)` looks like.

```
.text, #text, p{  
    color:rgb(151, 172, 42)  
}
```

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(151, 172, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 172, 42) }
```

Border

The CSS property to change the border of an element to XYZ 27.9329, 36.2515, 7.7155 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(151, 172, 42) }
```


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

```
.border{ border-color:rgb(151, 172, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 172, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 172, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 172, 42);  
box-shadow:4px 4px 4px 4px rgb(151, 172,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9329, 36.2515, 7.7155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 172, 42) }
```

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

```
.background{ background-color: rgb(151,  
172, 42) }
```

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