

Converting Colors

XYZ(28.6163, 37.0131, 15.0872)

Have a look what the booklet for
XYZ(28.6163, 37.0131, 15.0872)
contains.

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Color

**XYZ(28.6163, 37.0131,
15.0872)**

Conversions

Conversions Part 1

Format	Color
Hex	91AE59
RGB	145, 174, 89
RGB Percent	57%, 68%, 35%
CMY	0.4314, 0.3176, 0.6510
CMYK	0.17, 0.00, 0.49, 0.32
HSL	80°, 34%, 52%
HSV	80°, 49%, 68%
XYZ	28.6163, 37.0131, 15.0872
YIQ	155.6390, 10.0010, -32.5830

Conversions

Conversions Part 2

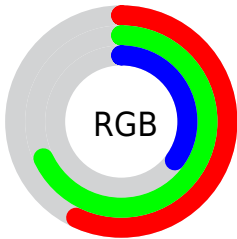
Format	Color
RYB	89, 174, 118
Decimal	9547353
CIELab	67.29, -23.88, 40.10
CIELCh	67, 46.675, 120.771
Yxy	37.0131, 0.3545, 0.4586
Android (android.graphics.Color)	4287737433 (0xFF91AE59)
YUV	155.6390, -32.8530, -9.3304
Hunter-Lab	60.8384, -22.5069, 27.8837

Details

The XYZ color **28.6163, 37.0131, 15.0872** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.6850, 14.0533, 41.7742**, and the grayscale version is **31.5784, 33.2230, 36.1798**.

A 20% lighter version of the original color is **56.9240, 70.7961, 35.8641**, and **11.6172, 16.0965, 4.4141** is the 20% darker color. If you saturate the color by 10%, you get **26.9516, 36.2308, 11.6358**, and if you desaturate by 10%, it is **30.5103, 37.8960, 19.4523**.

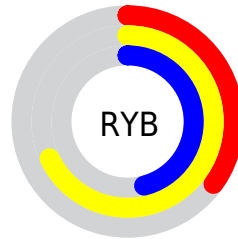
Distribution



Red (57%)

Green (68%)

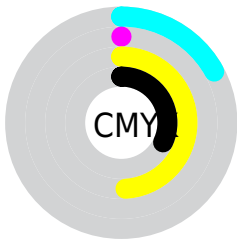
Blue (35%)



Red (35%)

Yellow (68%)

Blue (46%)

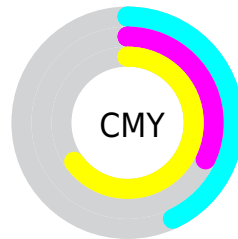


Cyan (17%)

Magenta (0%)

Yellow (49%)

Black (32%)



Cyan (43%)


Magenta (32%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6163, 37.0131, 15.0872 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 28.6163, 37.0131, 15.0872 by changing the saturation by 10% instead.


 28.6163, 37.0131,
15.0872


 28.6163, 37.0131,
15.0872


287.4272,
333.3672, 235.5523


 18.9336, 25.2176,
8.7333


 56.8687, 70.5929,
35.7505


 11.7260, 16.2393,
4.4732


 76.1691, 93.1461,
50.8971

 6.6283, 9.6936,
1.8884


 99.4060, 120.0539,
69.8116

 3.2750, 5.1963,
0.4853

 126.9449,
151.7009, 92.9126

 1.3008, 2.3629,
0.0000

159.1512,
188.4712, 120.6186

 0.1838, 0.8067,
0.0000

196.3900,

 0.0000, 0.0000,

230.7495, 153.3482

0.0000

239.0269,
278.9200, 191.5199

■ 28.6163, 37.0131,
15.0872

■ 28.6163, 37.0131,
15.0872

■ 26.9516, 36.2308,
11.6358

■ 30.5103, 37.8960,
19.4523

■ 25.5002, 35.5387,
9.0306

■ 32.6427, 38.8794,
24.7876

■ 24.2481, 34.9325,
7.1986


■ 35.0255, 39.9695,
31.1477

■ 23.1782, 34.4052,
6.0534


■ 37.6690, 41.1705,
38.5823


■ 22.2594, 33.9442,
5.4361


■ 40.5827, 42.4862,
47.1383

 22.1587, 33.8936,
5.3742

 43.7757, 43.9204,
56.8594

 47.2566, 45.4766,
67.7872

 51.0337, 47.1582,
79.9612

 55.1147, 48.9684,
93.4191

Harmonies

Analogous

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



34.9956, 37.0131, 12.3937



28.6163, 37.0131, 15.0872



24.5124, 37.0131, 23.9958

Triad

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



28.6163, 37.0131, 15.0872



28.8957, 37.0131, 85.2433



50.7616, 37.0131, 39.7748

Complementary

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



28.6163, 37.0131, 15.0872



18.6850, 14.0533, 41.7742

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.



48.5646, 37.0131, 62.6978



28.6163, 37.0131, 15.0872



35.3647, 37.0131, 93.7509

Square

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



28.6163, 37.0131, 15.0872



24.6577, 37.0131, 63.9348



42.6773, 37.0131, 84.3754



48.3362, 37.0131, 23.3538

Rectangle

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



28.6163, 37.0131, 15.0872



23.2994, 37.0131, 34.3208



42.6773, 37.0131, 84.3754



50.5367, 37.0131, 46.9383

Sweetspot

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



28.6172, 37.0147, 15.0880



65.1933, 73.2547, 61.1015



25.6603, 22.5215, 12.4464



14.2751, 16.1839, 12.9835



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



28.6172, 37.0147, 15.0880



48.5507, 65.5574, 20.4624



22.5531, 33.8886, 14.8042



8.3933, 9.1913, 8.5451



16.1364, 24.6157, 3.9008



0.5044, 0.7134, 0.1111

Inverse Universe

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



18.6850, 14.0533, 41.7742



28.3807, 18.8472, 74.7789



25.6776, 17.6581, 42.1015



7.8269, 7.8851, 10.0621



6.9236, 2.9291, 29.2450



0.2522, 0.1122, 0.8164

Previews

White Background



This preview shows how the XYZ color 28.6163, 37.0131, 15.0872 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 28.6163, 37.0131, 15.0872 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 28.6163, 37.0131, 15.0872

Background



This preview shows how black text looks on a background with the XYZ color 28.6163, 37.0131, 15.0872.



This preview shows how white text looks on a background with the XYZ color 28.6163, 37.0131,

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

28.6163, 37.0131, 15.0872

Protanopia

33.7375, 36.9101, 13.9405

Deuteranopia

37.4174, 36.7094, 15.4694



Tritanopia

34.9216, 36.7932, 46.8562

Trichromacy



Original Color

28.6163, 37.0131, 15.0872

Protanomaly

31.6187, 36.8926, 14.2586

Deuteranomaly

33.6194, 36.5508, 15.4083

Tritanomaly

32.0624, 36.7250, 32.1868

Monochromacy



Original Color

28.6163, 37.0131, 15.0872

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.2109, 34.5357, 26.9036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6163, 37.0131, 15.0872 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(145, 174, 89)` looks like.

```
.text, #text, p{  
    color:rgb(145, 174, 89)  
}
```

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(145, 174, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 174, 89) }
```

Border

The CSS property to change the border of an element to XYZ 28.6163, 37.0131, 15.0872 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(145, 174, 89) }
```


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

```
.border{ border-color:rgb(145, 174, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 174, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 174, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 174, 89);  
box-shadow:4px 4px 4px 4px rgb(145, 174,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6163, 37.0131, 15.0872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 174, 89) }
```

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

```
.background{ background-color: rgb(145,  
174, 89) }
```

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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