

Converting Colors

XYZ(30.8253, 36.2903, 12.6037)

Have a look what the booklet for
XYZ(30.8253, 36.2903, 12.6037)
contains.

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Color

**XYZ(30.7109, 36.1868,
12.5738)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A74E
RGB	165, 167, 78
RGB Percent	65%, 65%, 31%
CMY	0.3529, 0.3451, 0.6941
CMYK	0.01, 0.00, 0.53, 0.35
HSL	61°, 36%, 48%
HSV	61°, 53%, 65%
XYZ	30.7109, 36.1868, 12.5738
YIQ	156.2560, 27.3770, -28.1030

Conversions

Conversions Part 2

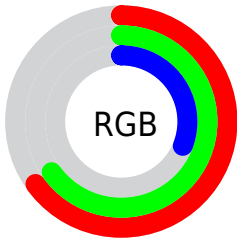
Format	Color
RYB	78, 167, 80
Decimal	10856270
CIELab	66.66, -13.20, 45.13
CIElCh	67, 47.019, 106.308
Yxy	36.1868, 0.3864, 0.4553
Android (android.graphics.Color)	4289046350 (0xFFA5A74E)
YUV	156.2560, -38.5802, 7.6685
Hunter-Lab	60.1555, -14.1433, 29.7159

Details

The XYZ color **30.7109, 36.1868, 12.5738** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.0089, 9.9451, 37.7953**, and the grayscale version is **31.8735, 33.5335, 36.5179**.

A 20% lighter version of the original color is **60.2747, 69.3839, 31.3347**, and **12.8841, 15.7201, 3.3921** is the 20% darker color. If you saturate the color by 10%, you get **30.1089, 35.9383, 9.8075**, and if you desaturate by 10%, it is **31.4670, 36.4996, 16.1424**.

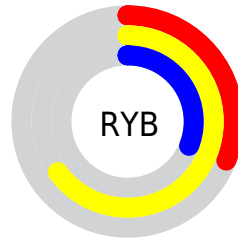
Distribution



Red (65%)

Green (65%)

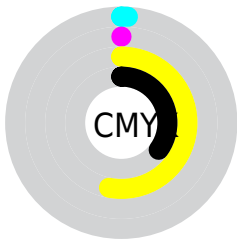
Blue (31%)



Red (31%)

Yellow (65%)

Blue (31%)

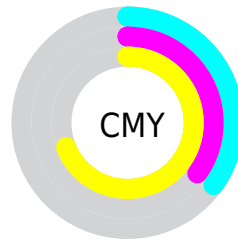


Cyan (1%)

Magenta (0%)

Yellow (53%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7109, 36.1868, 12.5738 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 30.7109, 36.1868, 12.5738 by changing the saturation by 10% instead.

■ 30.7109, 36.1868,
12.5738

■ 30.7109, 36.1868,
12.5738

297.0549,
329.7763, 219.2789

■ 20.5296, 24.5785,
7.0085

■ 60.1636, 69.3203,
31.2158

■ 12.8911, 15.7633,
3.3889

■ 80.1656, 91.6143,
45.1296

■ 7.4300, 9.3568,
1.2965

■ 104.1719,
118.2389, 62.6633

■ 3.7812, 4.9746,
0.0589

■ 132.5478,
149.5787, 84.2354

■ 1.5791, 2.2324,
0.0000

■ 165.6587,
186.0179, 110.2644

■ 0.3787, 0.7376,
0.0000

203.8700,

■ 0.0000, 0.0000,

227.9409, 141.1690

0.0000

247.5469,
275.7323, 177.3677

■ 30.7109, 36.1868,
12.5738

■ 30.7109, 36.1868,
12.5738

■ 30.1089, 35.9383,
9.8075

■ 31.4670, 36.4996,
16.1424

■ 29.6465, 35.7443,
7.7794

■ 32.3850, 36.8759,
20.5665

■ 29.3112, 35.6013,
6.4193

■ 33.4754, 37.3212,
25.8972

■ 29.0870, 35.5026,
5.6424

■ 34.7471, 37.8390,
32.1812

■ 28.9736, 35.4513,
5.3157

■ 36.2083, 38.4326,
39.4618

■ 37.8667, 39.1051,
47.7797

■ 39.7296, 39.8595,
57.1734

■ 41.8039, 40.6985,
67.6793

■ 44.0963, 41.6247,
79.3322

Harmonies

Analogous

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



37.7193, 36.1868, 12.3599



30.7109, 36.1868, 12.5738



25.4585, 36.1868, 18.1359

Triad

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



30.7109, 36.1868, 12.5738



25.8198, 36.1868, 74.8593



49.3927, 36.1868, 49.3715

Complementary

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



30.7109, 36.1868, 12.5738



13.0089, 9.9451, 37.7953

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.



45.2094, 36.1868, 72.9448



30.7109, 36.1868, 12.5738



31.2710, 36.1868, 90.7317

Square

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



30.7109, 36.1868, 12.5738



22.9112, 36.1868, 51.3972



38.3614, 36.1868, 89.9306



49.1882, 36.1868, 29.4341

Rectangle

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



30.7109, 36.1868, 12.5738



23.3717, 36.1868, 25.7171



38.3614, 36.1868, 89.9306



48.4308, 36.1868, 57.2399

Sweetspot

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



30.7118, 36.1885, 12.5746



61.5089, 67.4714, 54.0753



20.1437, 14.4284, 8.9314



13.6626, 15.0574, 11.5971



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.



30.7118, 36.1885, 12.5746



53.7471, 64.2873, 16.7893



23.0827, 32.2555, 12.2175



8.1299, 8.7651, 8.0526



22.1754, 27.1291, 4.0677



0.5446, 0.6626, 0.0992

Inverse Universe

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



13.0089, 9.9451, 37.7953



18.6250, 12.2060, 66.8496



18.0103, 12.5234, 38.0294



7.1468, 7.3083, 9.4523



5.3791, 2.1564, 28.1082



0.1356, 0.0549, 0.6841

Previews

White Background



This preview shows how the XYZ color 30.7109, 36.1868, 12.5738 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 30.7109, 36.1868, 12.5738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

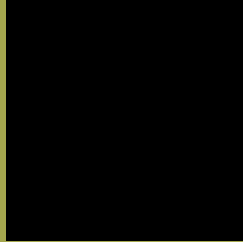
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7109, 36.1868, 12.5738

Background



This preview shows how black text looks on a background with the XYZ color 30.7109, 36.1868, 12.5738.



This preview shows how white text looks on a background with the XYZ color 30.7109, 36.1868,

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

30.7109, 36.1868, 12.5738

Protanopia

33.0472, 36.0658, 12.0571

Deuteranopia

36.5940, 35.8474, 12.7751



Tritanopia

36.6740, 35.9772, 42.5475

Trichromacy



Original Color

30.7109, 36.1868, 12.5738

Protanomaly

32.2942, 36.2007, 12.3065

Deuteranomaly

34.3396, 35.9403, 12.7167

Tritanomaly

33.9834, 35.9252, 28.4357

Monochromacy



Original Color

30.7109, 36.1868, 12.5738

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.7652, 34.0711, 25.3769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7109, 36.1868, 12.5738 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(165, 167, 78)` looks like.

```
.text, #text, p{  
    color:rgb(165, 167, 78)  
}
```

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(165, 167, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 167, 78) }
```

Border

The CSS property to change the border of an element to XYZ 30.7109, 36.1868, 12.5738 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(165, 167, 78) }
```


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

```
.border{ border-color:rgb(165, 167, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 167, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 167, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 167, 78);  
box-shadow:4px 4px 4px 4px rgb(165, 167,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7109, 36.1868, 12.5738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 167, 78) }
```

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

```
.background{ background-color: rgb(165,  
167, 78) }
```

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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