

Converting Colors

XYZ(30.8209, 36.3810, 9.6195)

Have a look what the booklet for
XYZ(30.8209, 36.3810, 9.6195)
contains.

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Color

**XYZ(30.7828, 36.2885,
9.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A73C
RGB	168, 167, 60
RGB Percent	66%, 65%, 24%
CMY	0.3412, 0.3451, 0.7647
CMYK	0.00, 0.01, 0.64, 0.34
HSL	59°, 47%, 45%
HSV	59°, 64%, 66%
XYZ	30.7828, 36.2885, 9.6569
YIQ	155.1010, 34.9430, -33.0650

Conversions

Conversions Part 2

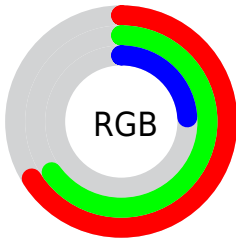
Format	Color
RYB	61, 168, 60
Decimal	11052860
CIELab	66.74, -13.27, 53.46
CIELCh	67, 55.085, 103.938
Yxy	36.2885, 0.4012, 0.4729
Android (android.graphics.Color)	4289242940 (0xFFA8A73C)
YUV	155.1010, -46.8848, 11.3124
Hunter-Lab	60.2399, -14.2058, 32.6633

Details

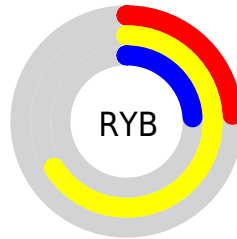
The XYZ color **30.7828, 36.2885, 9.6569** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.6002, 7.1252, 37.8623**, and the grayscale version is **31.3916, 33.0264, 35.9658**.

A 20% lighter version of the original color is **60.4659, 69.6036, 25.8707**, and **12.9408, 15.7722, 2.3623** is the 20% darker color. If you saturate the color by 10%, you get **30.3794, 36.0831, 7.6687**, and if you desaturate by 10%, it is **31.3289, 36.5537, 12.3892**.

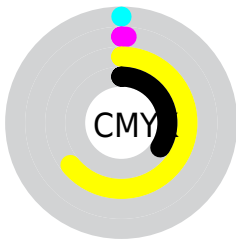
Distribution



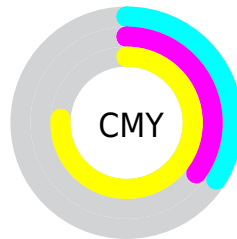
- Red (66%)
- Green (65%)
- Blue (24%)



- Red (24%)
- Yellow (66%)
- Blue (24%)



- Cyan (0%)
- Magenta (1%)
- Yellow (64%)
- Black (34%)





- Cyan (34%)
- Magenta (35%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7828, 36.2885, 9.6569 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 30.7828, 36.2885, 9.6569 by changing the saturation by 10% instead.


 30.7828, 36.2885,
9.6569


 30.7828, 36.2885,
9.6569


297.3812,
330.2198, 198.6005


 20.5845, 24.6571,
5.0695


 60.2761, 69.4771,
25.7458

 12.9314, 15.8218,
2.2286


 80.3019, 91.8031,
38.0843

 7.4580, 9.3981,
0.6908


 104.3342,
118.4628, 53.8436

 3.7990, 5.0018,
0.0000

 132.7384,
149.8405, 73.4422

 1.5891, 2.2483,
0.0000

 165.8798,
186.3207, 97.2986

 0.3853, 0.7461,
0.0000

204.1239,

 0.0000, 0.0000,

228.2877, 125.8315

0.0000

247.8359,
276.1259, 159.4592

■ 30.7828, 36.2885,
9.6569

■ 30.7828, 36.2885,
9.6569

■ 30.3794, 36.0831,
7.6687

■ 31.3289, 36.5537,
12.3892

■ 30.1023, 35.9270,
6.3491

■ 32.0274, 36.8785,
15.9268

■ 29.9356, 35.8151,
5.6110

■ 32.8897, 37.2690,
20.3274

■ 29.8669, 35.7617,
5.3286

■ 33.9257, 37.7290,
25.6425

■ 35.1445, 38.2621,
31.9198

■ 36.5544, 38.8718,
39.2036

■ 38.1634, 39.5611,
47.5354

■ 39.9789, 40.3331,
56.9545

■ 42.0080, 41.1906,
67.4981

Harmonies

Analogous

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



39.1046, 36.2885, 9.8295



30.7828, 36.2885, 9.6569



24.5474, 36.2885, 14.8674

Triad

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



30.7828, 36.2885, 9.6569



24.2151, 36.2885, 80.5425



52.2420, 36.2885, 53.5769

Complementary

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



30.7828, 36.2885, 9.6569



10.6002, 7.1252, 37.8623

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.



46.8120, 36.2885, 82.4861



30.7828, 36.2885, 9.6569



30.2556, 36.2885, 101.8380

Square

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



30.7828, 36.2885, 9.6569



21.1886, 36.2885, 51.5948



38.4859, 36.2885, 102.6654



52.4444, 36.2885, 29.4802

Rectangle

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



30.7828, 36.2885, 9.6569



22.0339, 36.2885, 22.6212



38.4859, 36.2885, 102.6654



50.9326, 36.2885, 63.2258

Sweetspot

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



30.7836, 36.2902, 9.6576



62.6124, 68.9255, 51.9305



18.6285, 11.9025, 5.8447



13.5174, 14.9660, 10.6525



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.



30.7836, 36.2902, 9.6576



54.8940, 65.3508, 12.7883



21.9944, 32.0309, 9.2988



8.1409, 8.7618, 8.0514



22.5565, 27.0103, 4.0247



0.5506, 0.6608, 0.0985

Inverse Universe

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



10.6002, 7.1252, 37.8623



15.3906, 8.2752, 68.0112



15.3917, 9.5172, 38.0714



7.1371, 7.3112, 9.4534



5.3522, 2.1645, 28.1112



0.1319, 0.0560, 0.6845

Previews

White Background



This preview shows how the XYZ color 30.7828, 36.2885, 9.6569 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 30.7828, 36.2885, 9.6569 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 30.7828, 36.2885, 9.6569

Background



This preview shows how black text looks on a background with the XYZ color 30.7828, 36.2885, 9.6569.



This preview shows how white text looks on a background with the XYZ color 30.7828, 36.2885,

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

30.7828, 36.2885, 9.6569

Protanopia

32.9427, 36.3339, 9.4146

Deuteranopia

36.8381, 36.0379, 9.8649



Tritanopia

37.4100, 36.1065, 42.5336

Trichromacy



Original Color

30.7828, 36.2885, 9.6569

Protanomaly

31.9694, 36.0968, 9.4201

Deuteranomaly

34.5305, 36.1023, 9.8511

Tritanomaly

33.9888, 35.7253, 25.8731

Monochromacy



Original Color

30.7828, 36.2885, 9.6569

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.2855, 33.6259, 22.6635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7828, 36.2885, 9.6569 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(168, 167, 60)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 60)  
}
```

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(168, 167, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 60) }
```

Border

The CSS property to change the border of an element to XYZ 30.7828, 36.2885, 9.6569 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(168, 167, 60) }
```


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

```
.border{ border-color:rgb(168, 167, 60) }
```

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

Here you see how a box with a 4 pixel rgb(168, 167, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 167, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 167, 60);  
box-shadow:4px 4px 4px 4px rgb(168, 167,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7828, 36.2885, 9.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 60) }
```

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

```
.background{ background-color: rgb(168,  
167, 60) }
```

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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