

Converting Colors

XYZ(30.7151, 34.3115, 14.1871)

Have a look what the booklet for
XYZ(30.7151, 34.3115, 14.1871)
contains.

XYZ(30.6944, 34.2812, 14.2317)	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(30.6944, 34.2812,
14.2317)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A058
RGB	169, 160, 88
RGB Percent	66%, 63%, 35%
CMY	0.3373, 0.3725, 0.6549
CMYK	0.00, 0.05, 0.48, 0.34
HSL	53°, 32%, 50%
HSV	53°, 48%, 66%
XYZ	30.6944, 34.2812, 14.2317
YIQ	154.4830, 28.4760, -20.4840

Conversions

Conversions Part 2

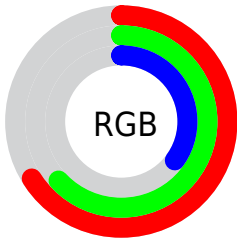
Format	Color
RYB	98, 169, 88
Decimal	11116632
CIELab	65.19, -6.90, 38.48
CIELCh	65, 39.089, 100.163
Yxy	34.2812, 0.3875, 0.4328
Android (android.graphics.Color)	4289306712 (0xFFA9A058)
YUV	154.4830, -32.7761, 12.7314
Hunter-Lab	58.5501, -8.8857, 26.5736

Details

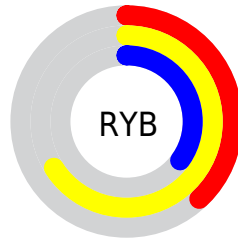
The XYZ color **30.6944, 34.2812, 14.2317** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.4605, 13.4882, 39.3245**, and the grayscale version is **31.0593, 32.6768, 35.5851**.

A 20% lighter version of the original color is **60.3247, 66.6337, 34.1082**, and **12.9051, 14.7286, 4.0822** is the 20% darker color. If you saturate the color by 10%, you get **29.7514, 33.3886, 10.8550**, and if you desaturate by 10%, it is **31.8063, 35.2518, 18.4661**.

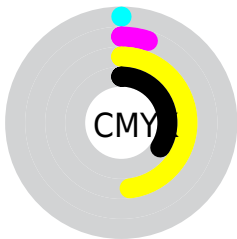
Distribution



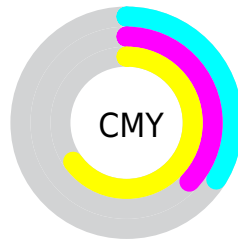
- Red (66%)
- Green (63%)
- Blue (35%)



- Red (38%)
- Yellow (66%)
- Blue (35%)



- Cyan (0%)
- Magenta (5%)
- Yellow (48%)
- Black (34%)





- Cyan (34%)
- Magenta (37%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6944, 34.2812, 14.2317 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 30.6944, 34.2812, 14.2317 by changing the saturation by 10% instead.


 30.6944, 34.2812,
14.2317


 30.6944, 34.2812,
14.2317


296.9800,
321.3841, 230.1459


 20.5169, 23.1097,
8.1414

 60.1377, 66.3707,
34.2226

 12.8818, 14.6745,
4.0965


 80.1343, 88.0575,
48.9603


 7.4236, 8.5913,
1.6784


 104.1347,
114.0183, 67.4175

 3.7771, 4.4756,
0.3459

 132.5041,
144.6373, 90.0129

 1.5768, 1.9430,
0.0000

 165.6080,
180.2990, 117.1648

 0.3772, 0.5740,
0.0000

203.8117,

 0.0000, 0.0000,

221.3877, 149.2919

0.0000

247.4806,
268.2880, 186.8128

■ 30.6944, 34.2812,
14.2317

■ 30.6944, 34.2812,
14.2317

■ 29.7514, 33.3886,
10.8550

■ 31.8063, 35.2518,
18.4661

■ 28.9633, 32.5645,
8.2740

■ 33.0949, 36.2996,
23.6103

■ 28.3183, 31.8054,
6.4218

■ 34.5705, 37.4302,
29.7148

■ 27.8011, 31.1052,
5.2194

■ 36.2418, 38.6471,
36.8255

■ 27.3869, 30.4540,
4.5353

■ 38.1171, 39.9535,
44.9857

■ 27.3055, 30.3217,
4.4135

■ 40.2042, 41.3527,
54.2360

■ 42.5102, 42.8475,
64.6148

■ 45.0422, 44.4408,
76.1587

■ 47.8069, 46.1353,
88.9026

Harmonies

Analogous

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



36.4308, 34.2812, 14.9615



30.6944, 34.2812, 14.2317



26.0362, 34.2812, 18.1660

Triad

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



30.6944, 34.2812, 14.2317



24.9309, 34.2812, 61.3454



43.9712, 34.2812, 48.9755

Complementary

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



30.6944, 34.2812, 14.2317



15.4605, 13.4882, 39.3245

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.



40.1450, 34.2812, 66.6868



30.6944, 34.2812, 14.2317



29.0166, 34.2812, 75.1451

Square

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



30.6944, 34.2812, 14.2317



22.9741, 34.2812, 43.1203



34.5480, 34.2812, 77.3424



44.5558, 34.2812, 32.0762

Rectangle

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



30.6944, 34.2812, 14.2317



23.9999, 34.2812, 23.8296



34.5480, 34.2812, 77.3424



43.0021, 34.2812, 55.1466

Sweetspot

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



30.6952, 34.2828, 14.2324



62.9733, 67.8190, 57.6870



22.0308, 16.2863, 13.4024



13.5940, 14.6848, 12.0176



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.



30.6952, 34.2828, 14.2324



53.1133, 59.6275, 18.8594



26.4225, 34.4794, 14.4956



8.0747, 8.6294, 8.0293



20.3750, 22.6472, 3.2975



0.5152, 0.5899, 0.0867

Inverse Universe

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



15.4605, 13.4882, 39.3245



22.4278, 17.7668, 69.4724



18.2661, 13.7699, 39.2310



7.1964, 7.4297, 9.4731



5.5290, 2.5182, 28.1701



0.1544, 0.1011, 0.6920

Previews

White Background



This preview shows how the XYZ color 30.6944, 34.2812, 14.2317 looks on a white background.

Color Contrast Check

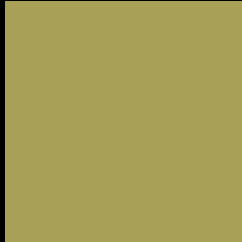
Large Text (above 18pt) WCAG AA × Fail

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 30.6944, 34.2812, 14.2317 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 30.6944, 34.2812, 14.2317

Background



This preview shows how black text looks on a background with the XYZ color 30.6944, 34.2812, 14.2317.



This preview shows how white text looks on a background with the XYZ color 30.6944, 34.2812,

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

30.6944, 34.2812, 14.2317

Protanopia

31.4027, 34.1405, 13.9515

Deuteranopia

34.9044, 34.2089, 14.4362



Tritanopia

35.8089, 34.1247, 39.3497

Trichromacy



Original Color

30.6944, 34.2812, 14.2317

Protanomaly

31.1317, 34.2550, 13.9879

Deuteranomaly

33.1259, 34.0228, 14.2723

Tritanomaly

33.4551, 33.8874, 28.0702

Monochromacy



Original Color

30.6944, 34.2812, 14.2317

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2158, 32.7596, 25.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6944, 34.2812, 14.2317 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(169, 160, 88)` looks like.

```
.text, #text, p{  
    color:rgb(169, 160, 88)  
}
```

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(169, 160, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 160, 88) }
```

Border

The CSS property to change the border of an element to XYZ 30.6944, 34.2812, 14.2317 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(169, 160, 88) }
```


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

```
.border{ border-color:rgb(169, 160, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 160, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 160, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 160, 88);  
box-shadow:4px 4px 4px 4px rgb(169, 160,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6944, 34.2812, 14.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 160, 88) }
```

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

```
.background{ background-color: rgb(169,  
160, 88) }
```

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