

Converting Colors

XYZ(29.5732, 31.7686, 14.6512)

Have a look what the booklet for
XYZ(29.5732, 31.7686, 14.6512)
contains.

XYZ(29.5222, 31.6642, 14.6810)	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(29.5222, 31.6642,
14.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	A9985C
RGB	169, 152, 92
RGB Percent	66%, 60%, 36%
CMY	0.3373, 0.4039, 0.6392
CMYK	0.00, 0.10, 0.46, 0.34
HSL	47°, 31%, 51%
HSV	47°, 46%, 66%
XYZ	29.5222, 31.6642, 14.6810
YIQ	150.2430, 29.3920, -15.0560

Conversions

Conversions Part 2

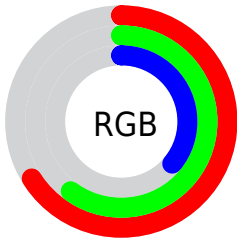
Format	Color
RYB	114, 169, 92
Decimal	11114588
CIELab	63.06, -2.18, 33.76
CIELCh	63, 33.832, 93.693
Yxy	31.6642, 0.3891, 0.4174
Android (android.graphics.Color)	4289304668 (0xFFA9985C)
YUV	150.2430, -28.7138, 16.4499
Hunter-Lab	56.2710, -4.8253, 23.9210

Details

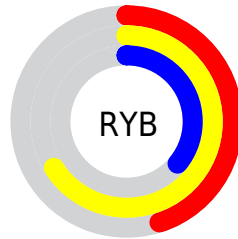
The XYZ color **29.5222, 31.6642, 14.6810** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.0435, 16.0766, 39.7409**, and the grayscale version is **29.2028, 30.7236, 33.4580**.

A 20% lighter version of the original color is **58.3933, 62.2945, 34.9330**, and **12.1785, 13.1340, 4.2761** is the 20% darker color. If you saturate the color by 10%, you get **28.2686, 30.2103, 11.0161**, and if you desaturate by 10%, it is **30.9612, 33.2250, 19.2215**.

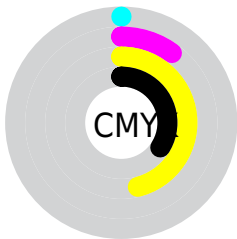
Distribution



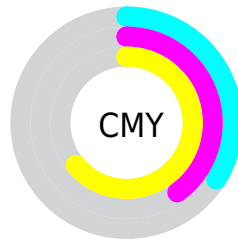
- Red (66%)
- Green (60%)
- Blue (36%)



- Red (45%)
- Yellow (66%)
- Blue (36%)



- Cyan (0%)
- Magenta (10%)
- Yellow (46%)
- Black (34%)



- Cyan (34%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5222, 31.6642, 14.6810 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 29.5222, 31.6642, 14.6810 by changing the saturation by 10% instead.

■ 29.5222, 31.6642,
14.6810

■ 29.5222, 31.6642,
14.6810

291.6209,
309.5867, 233.0011

■ 19.6225, 21.1051,
8.4517

■ 58.2976, 62.2843,
35.0269

■ 12.2276, 13.2009,
4.2934

■ 77.9039, 83.1141,
49.9806

■ 6.9722, 7.5670,
1.7877

■ 101.4765,
108.1363, 68.6795

■ 3.4909, 3.8192,
0.4198

■ 129.3808,
137.7353, 91.5422

■ 1.4184, 1.5729,
0.0000

161.9820,
172.2954, 118.9871

■ 0.2692, 0.3392,
0.0000

199.6455,

■ 0.0000, 0.0000,

212.2011, 151.4329

0.0000

242.7367,
257.8367, 189.2980

■ 29.5222, 31.6642,
14.6810

■ 29.5222, 31.6642,
14.6810

■ 28.2686, 30.2103,
11.0161

■ 30.9612, 33.2250,
19.2215

■ 27.1869, 28.8543,
8.1665

■ 32.5935, 34.8928,
24.6887

■ 26.2651, 27.5921,
6.0670

■ 34.4294, 36.6729,
31.1322

■ 25.4888, 26.4177,
4.6419

■ 36.4776, 38.5693,
38.5973

■ 24.8392, 25.3234,
3.7942

■ 38.7463, 40.5854,
47.1266

■ 24.5725, 24.8556,
3.5025

■ 41.2434, 42.7247,
56.7602

■ 43.9762, 44.9903,
67.5361

■ 46.9517, 47.3852,
79.4907

■ 50.1766, 49.9126,
92.6583

Harmonies

Analogous

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



34.2455, 31.6642, 16.2055



29.5222, 31.6642, 14.6810



25.3924, 31.6642, 17.2258

Triad

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



29.5222, 31.6642, 14.6810



23.2373, 31.6642, 50.7678



38.8670, 31.6642, 47.1504

Complementary

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



29.5222, 31.6642, 14.6810



17.0435, 16.0766, 39.7409

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.



35.3470, 31.6642, 60.5486



29.5222, 31.6642, 14.6810



26.2958, 31.6642, 62.9876

Square

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



29.5222, 31.6642, 14.6810



22.0082, 31.6642, 36.1570



30.6769, 31.6642, 66.9617



39.9558, 31.6642, 32.8497

Rectangle

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



29.5222, 31.6642, 14.6810



23.4353, 31.6642, 21.4017



30.6769, 31.6642, 66.9617



37.9122, 31.6642, 52.0193

Sweetspot

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



29.5230, 31.6657, 14.6816



62.1200, 66.1124, 57.4025



23.0022, 17.2147, 16.8531



13.3820, 14.2607, 11.9470



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.



29.5230, 31.6657, 14.6816



50.5396, 53.9989, 19.4847



28.4172, 35.4882, 15.4777



8.0043, 8.4887, 8.0059



18.3545, 18.6062, 2.6240



0.4805, 0.5205, 0.0751

Inverse Universe

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



17.0435, 16.0766, 39.7409



25.3096, 22.5105, 70.2361



17.7390, 13.9991, 39.3032



7.2611, 7.5592, 9.4947



5.8714, 3.2031, 28.2843



0.1787, 0.1497, 0.7001

Previews

White Background



This preview shows how the XYZ color 29.5222, 31.6642, 14.6810 looks on a white background.

Color Contrast Check

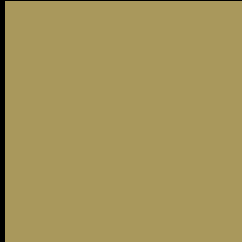
Large Text (above 18pt) WCAG AA × Fail

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 29.5222, 31.6642, 14.6810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

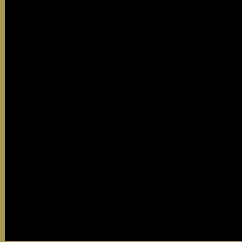
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5222, 31.6642, 14.6810

Background



This preview shows how black text looks on a background with the XYZ color 29.5222, 31.6642, 14.6810.



This preview shows how white text looks on a background with the XYZ color 29.5222, 31.6642,

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

29.5222, 31.6642, 14.6810

Protanopia

29.2593, 31.7707, 14.7154

Deuteranopia

32.2623, 31.6624, 14.7670



Tritanopia

33.6532, 31.4608, 35.7513

Trichromacy



Original Color

29.5222, 31.6642, 14.6810

Protanomaly

29.4714, 31.8800, 14.7254

Deuteranomaly

31.1561, 31.5538, 14.8043

Tritanomaly

31.9009, 31.4451, 26.5785

Monochromacy



Original Color

29.5222, 31.6642, 14.6810

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9337, 30.8863, 25.2056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5222, 31.6642, 14.6810 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, 152, 92)` looks like.

```
.text, #text, p{  
    color:rgb(169, 152, 92)  
}
```

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, 152, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 152, 92) }
```

Border

The CSS property to change the border of an element to XYZ 29.5222, 31.6642, 14.6810 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, 152, 92) }
```


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

```
.border{ border-color:rgb(169, 152, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 152, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 152, 92); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 152, 92); box-shadow:4px 4px 4px 4px rgb(169, 152, 92) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5222, 31.6642, 14.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 152, 92) }
```

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

```
.background{ background-color: rgb(169,  
152, 92) }
```

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