

Converting Colors

XYZ(29.0082, 31.0907, 13.1090)

Have a look what the booklet for
XYZ(29.0082, 31.0907, 13.1090)
contains.

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Color

**XYZ(29.0685, 31.2241,
13.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	A99755
RGB	169, 151, 85
RGB Percent	66%, 59%, 33%
CMY	0.3373, 0.4078, 0.6667
CMYK	0.00, 0.11, 0.50, 0.34
HSL	47°, 33%, 50%
HSV	47°, 50%, 66%
XYZ	29.0685, 31.2241, 13.0891
YIQ	148.8580, 31.9140, -16.7100

Conversions

Conversions Part 2

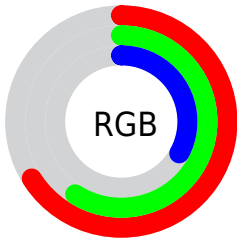
Format	Color
RYB	108, 169, 85
Decimal	11114325
CIELab	62.70, -2.34, 36.98
CIElCh	63, 37.050, 93.616
Yxy	31.2241, 0.3961, 0.4255
Android (android.graphics.Color)	4289304405 (0xFFA99755)
YUV	148.8580, -31.4820, 17.6645
Hunter-Lab	55.8785, -4.9302, 25.2268

Details

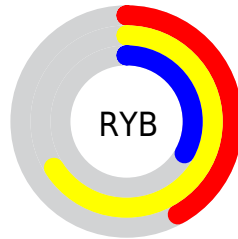
The XYZ color **29.0685, 31.2241, 13.0891** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.7579, 14.4959, 39.5035**, and the grayscale version is **28.6268, 30.1176, 32.7981**.

A 20% lighter version of the original color is **57.6393, 61.6090, 32.1464**, and **11.9613, 12.8928, 3.6084** is the 20% darker color. If you saturate the color by 10%, you get **27.9022, 29.8406, 9.7744**, and if you desaturate by 10%, it is **30.4146, 32.7104, 17.2556**.

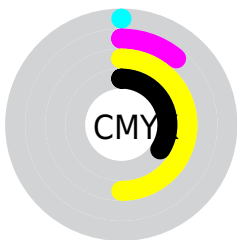
Distribution



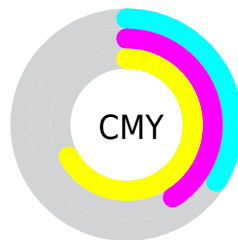
- Red (66%)
- Green (59%)
- Blue (33%)



- Red (42%)
- Yellow (66%)
- Blue (33%)



- Cyan (0%)
- Magenta (11%)
- Yellow (50%)
- Black (34%)



- Cyan (34%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0685, 31.2241, 13.0891 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 29.0685, 31.2241, 13.0891 by changing the saturation by 10% instead.

■ 29.0685, 31.2241,
13.0891

■ 29.0685, 31.2241,
13.0891

289.5264,
307.5694, 222.7158

■ 19.2772, 20.7696,
7.3585

■ 57.5827, 61.5927,
32.1573

■ 11.9759, 12.9557,
3.6055

■ 77.0363, 82.2756,
46.3320

■ 6.7994, 7.3980,
1.4115

■ 100.4414,
107.1367, 64.1584

■ 3.3822, 3.7122,
0.1507

■ 128.1633,
136.5604, 86.0551

■ 1.3589, 1.5139,
0.0000

■ 160.5674,
170.9311, 112.4406

■ 0.2267, 0.2985,
0.0000

198.0191,

■ 0.0000, 0.0000,

210.6333, 143.7336

0.0000

240.8836,
256.0513, 180.3524

■ 29.0685, 31.2241,
13.0891

■ 29.0685, 31.2241,
13.0891

■ 27.9022, 29.8406,
9.7744

■ 30.4146, 32.7104,
17.2556

■ 26.9016, 28.5507,
7.2483

■ 31.9488, 34.2998,
22.3271

■ 26.0542, 27.3501,
5.4422

■ 33.6817, 35.9977,
28.3546

■ 25.3444, 26.2325,
4.2745

■ 35.6222, 37.8080,
35.3850

■ 24.7390, 25.1842,
3.5716

■ 37.7788, 39.7344,
43.4619

■ 24.7215, 25.1537,
3.5522

■ 40.1593, 41.7802,
52.6264

■ 42.7714, 43.9488,
62.9173

■ 45.6222, 46.2431,
74.3716

■ 48.7185, 48.6662,
87.0245

Harmonies

Analogous

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



34.2123, 31.2241, 14.6536



29.0685, 31.2241, 13.0891



24.6128, 31.2241, 15.6788

Triad

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



29.0685, 31.2241, 13.0891



22.2934, 31.2241, 51.8649



39.2695, 31.2241, 47.9370

Complementary

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



29.0685, 31.2241, 13.0891



15.7579, 14.4959, 39.5035

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.



35.3935, 31.2241, 62.8650



29.0685, 31.2241, 13.0891



25.5624, 31.2241, 65.5483

Square

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



29.0685, 31.2241, 13.0891



20.9918, 31.2241, 35.7846



30.2951, 31.2241, 70.0561



40.4793, 31.2241, 32.2714

Rectangle

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



29.0685, 31.2241, 13.0891



22.5169, 31.2241, 20.0083



30.2951, 31.2241, 70.0561



38.2151, 31.2241, 53.3394

Sweetspot

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



29.0693, 31.2256, 13.0897



61.8165, 65.8825, 56.1389



22.0691, 15.9156, 14.7939



13.3233, 14.2185, 11.6957



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.



29.0693, 31.2256, 13.0897



49.7086, 53.1165, 16.8044



27.5401, 35.0698, 13.9123



8.0085, 8.4970, 8.0073



18.4648, 18.8269, 2.6607



0.4824, 0.5244, 0.0758

Inverse Universe

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



15.7579, 14.4959, 39.5035



23.0587, 19.6612, 69.8048



16.6923, 12.6005, 39.0884



7.2573, 7.5514, 9.4934



5.8455, 3.1511, 28.2756



0.1773, 0.1468, 0.6996

Previews

White Background



This preview shows how the XYZ color 29.0685, 31.2241, 13.0891 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 29.0685, 31.2241, 13.0891 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 29.0685, 31.2241, 13.0891

Background



This preview shows how black text looks on a background with the XYZ color 29.0685, 31.2241, 13.0891.



This preview shows how white text looks on a background with the XYZ color 29.0685, 31.2241,

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

29.0685, 31.2241, 13.0891

Protanopia

28.8043, 31.3278, 13.1231

Deuteranopia

31.8127, 31.2370, 13.1567



Tritanopia

33.5597, 31.2081, 34.8268

Trichromacy



Original Color

29.0685, 31.2241, 13.0891

Protanomaly

29.0164, 31.4372, 13.1330

Deuteranomaly

30.7038, 31.1230, 13.1932

Tritanomaly

31.4749, 31.0270, 25.0988

Monochromacy



Original Color

29.0685, 31.2241, 13.0891

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3825, 30.3870, 24.1080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0685, 31.2241, 13.0891 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, 151, 85)` looks like.

```
.text, #text, p{  
    color:rgb(169, 151, 85)  
}
```

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, 151, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 151, 85) }
```

Border

The CSS property to change the border of an element to XYZ 29.0685, 31.2241, 13.0891 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, 151, 85) }
```


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

```
.border{ border-color:rgb(169, 151, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 151, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 151, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 151, 85);  
box-shadow:4px 4px 4px 4px rgb(169, 151,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0685, 31.2241, 13.0891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 151, 85) }
```

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

```
.background{ background-color: rgb(169,  
151, 85) }
```

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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