

Converting Colors

XYZ(30.9818, 32.1956, 13.9257)

Have a look what the booklet for
XYZ(30.9818, 32.1956, 13.9257)
contains.

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Color

**XYZ(31.0012, 32.2016,
14.0328)**

Conversions

Conversions Part 1

Format	Color
Hex	B19759
RGB	177, 151, 89
RGB Percent	69%, 59%, 35%
CMY	0.3059, 0.4078, 0.6510
CMYK	0.00, 0.15, 0.50, 0.31
HSL	42°, 36%, 52%
HSV	42°, 50%, 69%
XYZ	31.0012, 32.2016, 14.0328
YIQ	151.7060, 35.3980, -13.7700

Conversions

Conversions Part 2

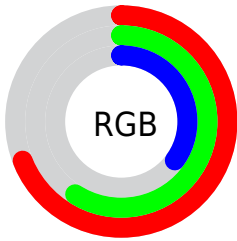
Format	Color
RYB	126, 177, 89
Decimal	11638617
CIELab	63.51, 1.47, 36.06
CIELCh	64, 36.091, 87.671
Yxy	32.2016, 0.4014, 0.4169
Android (android.graphics.Color)	4289828697 (0xFFB19759)
YUV	151.7060, -30.9141, 22.1828
Hunter-Lab	56.7465, -1.7898, 25.0607

Details

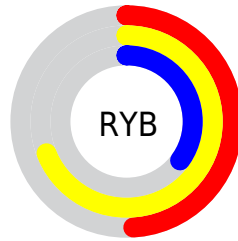
The XYZ color **31.0012, 32.2016, 14.0328** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.1861, 17.5589, 44.0254**, and the grayscale version is **29.8372, 31.3911, 34.1849**.

A 20% lighter version of the original color is **60.4966, 63.0485, 33.7920**, and **12.9834, 13.4120, 4.0023** is the 20% darker color. If you saturate the color by 10%, you get **29.5228, 30.2947, 10.3036**, and if you desaturate by 10%, it is **32.6972, 34.2577, 18.7169**.

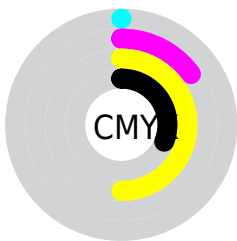
Distribution



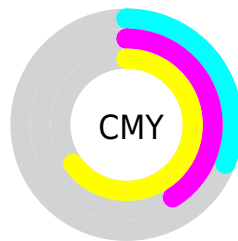
- Red (69%)
- Green (59%)
- Blue (35%)



- Red (49%)
- Yellow (69%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (50%)
- Black (31%)



- Cyan (31%)
- Magenta (41%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0012, 32.2016, 14.0328 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 31.0012, 32.2016, 14.0328 by changing the saturation by 10% instead.


 31.0012, 32.2016,
14.0328


 31.0012, 32.2016,
14.0328


298.3706,
312.0366, 228.8703


 20.7516, 21.5155,
8.0045


 60.6178, 63.1270,
33.8652


 13.0540, 13.5014,
4.0100


 80.7155, 84.1351,
48.5063


 7.5430, 7.7747,
1.6308


 104.8266,
109.3527, 66.8555

 3.8533, 3.9511,
0.3127

 133.3164,
139.1642, 89.3312

 1.6195, 1.6463,
0.0000

 166.5504,
173.9539, 116.3519

 0.4050, 0.3885,
0.0000

204.8939,

 0.0000, 0.0000,

214.1063, 148.3364

0.0000

248.7122,
260.0057, 185.7030

■ 31.0012, 32.2016,
14.0328

■ 31.0012, 32.2016,
14.0328

■ 29.5228, 30.2947,
10.3036

■ 32.6972, 34.2577,
18.7169

■ 28.2462, 28.5263,
7.4586

■ 34.6207, 36.4640,
24.4158

■ 27.1568, 26.8909,
5.4204

■ 36.7836, 38.8273,
31.1870

■ 26.2369, 25.3807,
4.0971

■ 39.1963, 41.3525,
39.0828

■ 25.4502, 23.9804,
3.3017

■ 41.8686, 44.0441,
48.1523

■ 25.4287, 23.9418,
3.2810

■ 44.8096, 46.9066,
58.4415

■ 48.0280, 49.9441,
69.9941

■ 51.5321, 53.1605,
82.8515

■ 55.3297, 56.5597,
97.0532

Harmonies

Analogous

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



36.0743, 32.2016, 16.4816



31.0012, 32.2016, 14.0328



26.3322, 32.2016, 15.8107

Triad

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



31.0012, 32.2016, 14.0328



22.8170, 32.2016, 49.5590



39.5259, 32.2016, 52.0541

Complementary

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



31.0012, 32.2016, 14.0328



18.1861, 17.5589, 44.0254

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.



35.3203, 32.2016, 65.7500



31.0012, 32.2016, 14.0328



25.7214, 32.2016, 64.0538

Square

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



31.0012, 32.2016, 14.0328



21.9261, 32.2016, 33.9489



30.2155, 32.2016, 70.6486



41.3204, 32.2016, 36.1993

Rectangle

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



31.0012, 32.2016, 14.0328



24.0002, 32.2016, 19.5250



30.2155, 32.2016, 70.6486



38.3262, 32.2016, 57.2109

Sweetspot

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



31.0020, 32.2031, 14.0335



67.7496, 71.5197, 61.9081



24.8215, 17.7392, 18.4567



14.4933, 15.3002, 12.8014



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.0020, 32.2031, 14.0335



52.5555, 53.8287, 17.6995



31.9028, 39.5773, 15.4093



8.9809, 9.4742, 9.0079



18.4787, 17.4560, 2.3954



0.6291, 0.6446, 0.0913

Inverse Universe

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



18.1861, 17.5589, 44.0254



26.9226, 24.5823, 77.8212



17.5239, 13.4205, 43.2615



8.2398, 8.6257, 10.7370



6.6957, 4.1917, 30.5932



0.2627, 0.2359, 0.9799

Previews

White Background



This preview shows how the XYZ color 31.0012, 32.2016, 14.0328 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 31.0012, 32.2016, 14.0328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

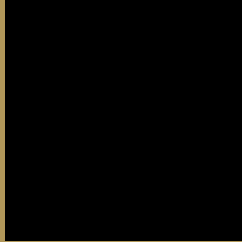
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0012, 32.2016, 14.0328

Background



This preview shows how black text looks on a background with the XYZ color 31.0012, 32.2016, 14.0328.



This preview shows how white text looks on a background with the XYZ color 31.0012, 32.2016, 14.0328.

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

31.0012, 32.2016, 14.0328

Protanopia

29.7633, 32.2844, 14.3357

Deuteranopia

32.7727, 32.1704, 14.1551



Tritanopia

35.1836, 32.0453, 34.9028

Trichromacy



Original Color

31.0012, 32.2016, 14.0328

Protanomaly

30.2500, 32.2913, 14.3114

Deuteranomaly

31.9638, 31.9853, 14.1620

Tritanomaly

33.3642, 31.9932, 25.5359

Monochromacy



Original Color

31.0012, 32.2016, 14.0328

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8886, 31.6185, 25.2966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0012, 32.2016, 14.0328 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(177, 151, 89)` looks like.

```
.text, #text, p{  
    color:rgb(177, 151, 89)  
}
```

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(177, 151, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 151, 89) }
```

Border

The CSS property to change the border of an element to XYZ 31.0012, 32.2016, 14.0328 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(177, 151, 89) }
```


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

```
.border{ border-color:rgb(177, 151, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 151, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 151, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 151, 89);  
box-shadow:4px 4px 4px 4px rgb(177, 151,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0012, 32.2016, 14.0328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 151, 89) }
```

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

```
.background{ background-color: rgb(177,  
151, 89) }
```

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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