

Converting Colors

XYZ(32.0101, 40.3572, 14.8538)

Have a look what the booklet for
XYZ(32.0101, 40.3572, 14.8538)
contains.

XYZ(31.9004, 40.1812, 14.8785)	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(31.9004, 40.1812,
14.8785)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB356
RGB	158, 179, 86
RGB Percent	62%, 70%, 34%
CMY	0.3804, 0.2980, 0.6627
CMYK	0.12, 0.00, 0.52, 0.30
HSL	74°, 38%, 52%
HSV	74°, 52%, 70%
XYZ	31.9004, 40.1812, 14.8785
YIQ	162.1190, 17.3370, -33.3750

Conversions

Conversions Part 2

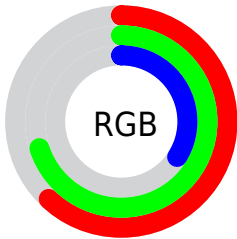
Format	Color
RYB	86, 179, 107
Decimal	10400598
CIELab	69.60, -21.48, 44.57
CIELCh	70, 49.477, 115.736
Yxy	40.1812, 0.3668, 0.4621
Android (android.graphics.Color)	4288590678 (0xFF9EB356)
YUV	162.1190, -37.5267, -3.6124
Hunter-Lab	63.3886, -21.0998, 30.4556

Details

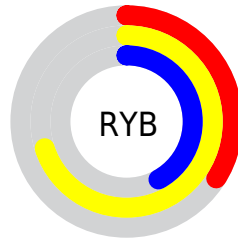
The XYZ color **31.9004, 40.1812, 14.8785** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.5294, 13.0371, 44.2427**, and the grayscale version is **34.5641, 36.3641, 39.6005**.

A 20% lighter version of the original color is **62.0273, 75.5478, 35.3577**, and **13.4731, 17.9861, 4.3517** is the 20% darker color. If you saturate the color by 10%, you get **30.4858, 39.5264, 11.5078**, and if you desaturate by 10%, it is **33.5237, 40.9253, 19.2034**.

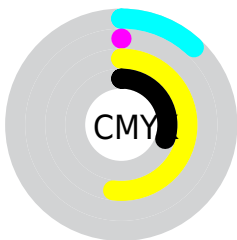
Distribution



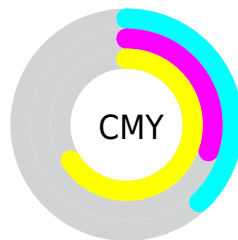
- Red (62%)
- Green (70%)
- Blue (34%)



- Red (34%)
- Yellow (70%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (52%)
- Black (30%)



- Cyan (38%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9004, 40.1812, 14.8785 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 31.9004, 40.1812, 14.8785 by changing the saturation by 10% instead.

■ 31.9004, 40.1812,
14.8785

■ 31.9004, 40.1812,
14.8785

302.4186,
346.8867, 234.2450

■ 21.4406, 27.6799,
8.5885

■ 62.0212, 75.4394,
35.3792

■ 13.5607, 18.0845,
4.3806

■ 82.4129, 98.9650,
50.4269

■ 7.8954, 11.0106,
1.8364

■ 106.8459,
126.9341, 69.2310

■ 4.0794, 6.0740,
0.4518

■ 135.6856,
159.7312, 92.2099

■ 1.7471, 2.8901,
0.0000

■ 169.2974,
197.7406, 119.7822

■ 0.4855, 1.0746,
0.0000

208.0466,

■ 0.0000, 0.0000,

241.3467, 152.3665

0.0000

252.2986,
290.9340, 190.3812

■ 31.9004, 40.1812,
14.8785

■ 31.9004, 40.1812,
14.8785

■ 30.4858, 39.5264,
11.5078

■ 33.5237, 40.9253,
19.2034

■ 29.2630, 38.9499,
9.0162

■ 35.3655, 41.7585,
24.5448

■ 28.2171, 38.4471,
7.3219

■ 37.4381, 42.6871,
30.9628

■ 27.3290, 38.0104,
6.3262

■ 39.7523, 43.7153,
38.5122

■ 26.6979, 37.6946,
5.8687

■ 42.3178, 44.8473,
47.2439

■ 45.1440, 46.0867,
57.2057

■ 48.2398, 47.4371,
68.4429

■ 51.6135, 48.9019,
80.9984

■ 55.2731, 50.4843,
94.9131

Harmonies

Analogous

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



39.3448, 40.1812, 12.9055



31.9004, 40.1812, 14.8785



26.8485, 40.1812, 23.3588

Triad

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



31.9004, 40.1812, 14.8785



30.1775, 40.1812, 91.1225



55.6531, 40.1812, 47.1043

Complementary

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



31.9004, 40.1812, 14.8785



17.5294, 13.0371, 44.2427

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.



52.3481, 40.1812, 73.4940



31.9004, 40.1812, 14.8785



37.0600, 40.1812, 103.9358

Square

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



31.9004, 40.1812, 14.8785



25.9554, 40.1812, 65.7738



45.2586, 40.1812, 96.5630



53.7704, 40.1812, 27.2901

Rectangle

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



31.9004, 40.1812, 14.8785



25.1519, 40.1812, 33.7798



45.2586, 40.1812, 96.5630



55.1007, 40.1812, 55.5123

Sweetspot

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



31.9014, 40.1830, 14.8793



69.3488, 77.4718, 62.8820



25.4411, 20.5958, 11.4391



15.1785, 17.0813, 13.3266



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.9014, 40.1830, 14.8793



54.3408, 70.6674, 20.0475



24.5279, 36.3818, 14.5343



9.0056, 9.8080, 9.0710



18.9230, 26.6653, 4.1496



0.6417, 0.8629, 0.1327

Inverse Universe

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



17.5294, 13.0371, 44.2427



25.9163, 16.8792, 78.2732



24.5368, 16.6495, 44.5706



8.2156, 8.3197, 10.6792



6.4279, 2.6495, 30.3096



0.2530, 0.1095, 0.9560

Previews

White Background



This preview shows how the XYZ color 31.9004, 40.1812, 14.8785 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 31.9004, 40.1812, 14.8785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

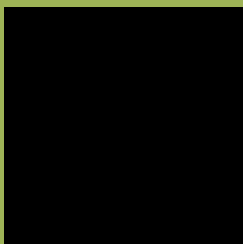
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9004, 40.1812, 14.8785

Background



This preview shows how black text looks on a background with the XYZ color 31.9004, 40.1812, 14.8785.



This preview shows how white text looks on a background with the XYZ color 31.9004, 40.1812,

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

31.9004, 40.1812, 14.8785

Protanopia

36.6751, 40.0654, 13.9840

Deuteranopia

40.7782, 39.9887, 15.2422



Tritanopia

38.9937, 40.1883, 49.9579

Trichromacy



Original Color

31.9004, 40.1812, 14.8785

Protanomaly

34.6753, 39.8743, 14.2564

Deuteranomaly

37.0410, 39.6737, 15.1567

Tritanomaly

35.7271, 39.9931, 33.4402

Monochromacy



Original Color

31.9004, 40.1812, 14.8785

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.0036, 37.3036, 28.0151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9004, 40.1812, 14.8785 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(158, 179, 86)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 86)  
}
```

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(158, 179, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 86) }
```

Border

The CSS property to change the border of an element to XYZ 31.9004, 40.1812, 14.8785 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(158, 179, 86) }
```


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

```
.border{ border-color:rgb(158, 179, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 179, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 86);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9004, 40.1812, 14.8785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 86) }
```

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

```
.background{ background-color: rgb(158,  
179, 86) }
```

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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