

Converting Colors

XYZ(32.1446, 37.9481, 14.6760)

Have a look what the booklet for
XYZ(32.1446, 37.9481, 14.6760)
contains.

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Color

**XYZ(32.2196, 38.0294,
14.6591)**

Conversions

Conversions Part 1

Format	Color
Hex	A7AB57
RGB	167, 171, 87
RGB Percent	65%, 67%, 34%
CMY	0.3451, 0.3294, 0.6588
CMYK	0.02, 0.00, 0.49, 0.33
HSL	63°, 33%, 51%
HSV	63°, 49%, 67%
XYZ	32.2196, 38.0294, 14.6591
YIQ	160.2280, 24.5800, -26.9720

Conversions

Conversions Part 2

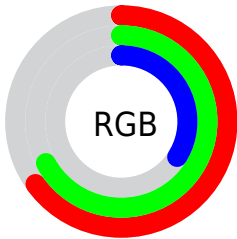
Format	Color
RYB	87, 171, 91
Decimal	10988375
CIELab	68.04, -13.62, 42.40
CIELCh	68, 44.530, 107.813
Yxy	38.0294, 0.3795, 0.4479
Android (android.graphics.Color)	4289178455 (0xFFA7AB57)
YUV	160.2280, -36.1014, 5.9390
Hunter-Lab	61.6680, -14.6583, 29.0738

Details

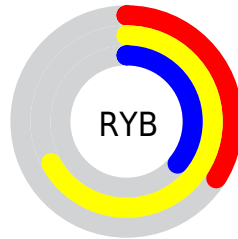
The XYZ color **32.2196, 38.0294, 14.6591** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.0745, 11.9817, 40.0484**, and the grayscale version is **33.6731, 35.4268, 38.5798**.

A 20% lighter version of the original color is **62.5970, 72.1041, 35.0444**, and **13.7408, 16.8379, 4.2761** is the 20% darker color. If you saturate the color by 10%, you get **31.4308, 37.6954, 11.3975**, and if you desaturate by 10%, it is **33.1768, 38.4336, 18.7939**.

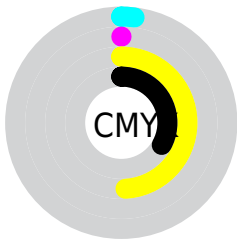
Distribution



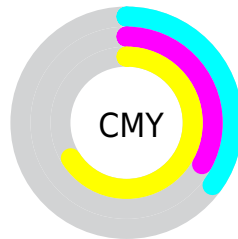
- Red (65%)
- Green (67%)
- Blue (34%)



- Red (34%)
- Yellow (67%)
- Blue (36%)



- Cyan (2%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2196, 38.0294, 14.6591 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 32.2196, 38.0294, 14.6591 by changing the saturation by 10% instead.

■ 32.2196, 38.0294,
14.6591

■ 32.2196, 38.0294,
14.6591

303.8459,
337.7461, 232.8627

■ 21.6856, 26.0055,
8.4365

■ 62.5181, 72.1532,
34.9878

■ 13.7414, 16.8278,
4.2838

■ 83.0133, 95.0219,
49.9311

■ 8.0215, 10.1118,
1.7823

■ 107.5597,
122.2743, 68.6183

■ 4.1606, 5.4731,
0.4162

■ 136.5225,
154.2948, 91.4680

■ 1.7934, 2.5274,
0.0000

■ 170.2672,
191.4679, 118.8987

■ 0.5137, 0.8903,
0.0000

209.1591,

■ 0.0000, 0.0000,

234.1779, 151.3291

0.0000

253.5636,
282.8091, 189.1776

■ 32.2196, 38.0294,
14.6591

■ 32.2196, 38.0294,
14.6591

■ 31.4308, 37.6954,
11.3975

■ 33.1768, 38.4336,
18.7939

■ 30.7959, 37.4217,
8.9443

■ 34.3104, 38.9071,
23.8561

■ 30.3022, 37.2047,
7.2294


■ 35.6312, 39.4556,
29.8980


■ 29.9340, 37.0380,
6.1697

■ 37.1481, 40.0828,
36.9675


■ 29.6607, 36.9093,
5.6040

■ 38.8698, 40.7919,
45.1093

 29.6379, 36.8985,
5.5600

 40.8042, 41.5863,
54.3655

 42.9589, 42.4689,
64.7760

 45.3411, 43.4426,
76.3786

 47.9576, 44.5101,
89.2095

Harmonies

Analogous

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



39.0335, 38.0294, 14.1792



32.2196, 38.0294, 14.6591



27.1414, 38.0294, 20.6975

Triad

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



32.2196, 38.0294, 14.6591



27.9127, 38.0294, 76.6234



50.8034, 38.0294, 50.0010

Complementary

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



32.2196, 38.0294, 14.6591



15.0745, 11.9817, 40.0484

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.



46.9494, 38.0294, 72.6995



32.2196, 38.0294, 14.6591



33.4041, 38.0294, 91.0539

Square

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



32.2196, 38.0294, 14.6591



24.8824, 38.0294, 54.2178



40.3787, 38.0294, 89.4240



50.3797, 38.0294, 30.7930

Rectangle

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



32.2196, 38.0294, 14.6591



25.1547, 38.0294, 28.5994



40.3787, 38.0294, 89.4240



49.9467, 38.0294, 57.5618

Sweetspot

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



32.2205, 38.0311, 14.6599



64.8155, 71.0753, 58.2039



22.1555, 16.6256, 11.0587



14.3337, 15.8002, 12.4204



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.2205, 38.0311, 14.6599



56.1720, 67.4572, 19.9481



24.9183, 34.2667, 14.3182



8.6244, 9.3105, 8.5559



22.3542, 27.8211, 4.1918



0.6331, 0.7797, 0.1171

Inverse Universe

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



15.0745, 11.9817, 40.0484



21.8531, 15.2932, 70.8020



20.2445, 14.6469, 40.2904



7.6129, 7.7748, 10.0521



5.6311, 2.2628, 29.1845



0.1678, 0.0687, 0.8124

Previews

White Background



This preview shows how the XYZ color 32.2196, 38.0294, 14.6591 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 32.2196, 38.0294, 14.6591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

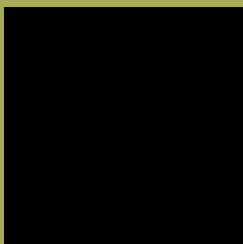
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

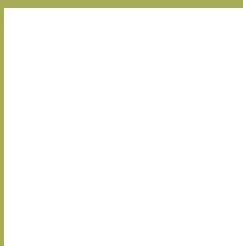
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2196, 38.0294, 14.6591

Background



This preview shows how black text looks on a background with the XYZ color 32.2196, 38.0294, 14.6591.



This preview shows how white text looks on a background with the XYZ color 32.2196, 38.0294,

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

32.2196, 38.0294, 14.6591

Protanopia

34.8043, 37.9956, 14.0938

Deuteranopia

38.7009, 37.8884, 14.9463



Tritanopia

38.2893, 37.7758, 45.3178

Trichromacy



Original Color

32.2196, 38.0294, 14.6591

Protanomaly

33.8138, 38.0243, 14.3613

Deuteranomaly

36.1356, 37.8628, 14.8549

Tritanomaly

35.5712, 37.7475, 31.0024

Monochromacy



Original Color

32.2196, 38.0294, 14.6591

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6134, 36.0309, 27.4261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2196, 38.0294, 14.6591 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(167, 171, 87)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 87)  
}
```

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(167, 171, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 87) }
```

Border

The CSS property to change the border of an element to XYZ 32.2196, 38.0294, 14.6591 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(167, 171, 87) }
```


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

```
.border{ border-color:rgb(167, 171, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 171, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 87);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2196, 38.0294, 14.6591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 87) }
```

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

```
.background{ background-color: rgb(167,  
171, 87) }
```

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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