

Converting Colors

XYZ(31.9880, 38.1530, 13.6635)

Have a look what the booklet for
XYZ(31.9880, 38.1530, 13.6635)
contains.

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Color

**XYZ(32.0014, 38.2212,
13.6734)**

Conversions

Conversions Part 1

Format	Color
Hex	A6AC52
RGB	166, 172, 82
RGB Percent	65%, 67%, 32%
CMY	0.3490, 0.3255, 0.6784
CMYK	0.03, 0.00, 0.52, 0.33
HSL	64°, 35%, 50%
HSV	64°, 52%, 67%
XYZ	32.0014, 38.2212, 13.6734
YIQ	159.9460, 25.3140, -29.2620

Conversions

Conversions Part 2

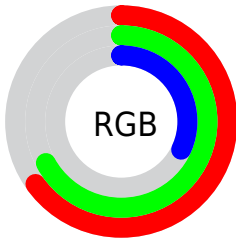
Format	Color
RYB	82, 172, 88
Decimal	10923090
CIELab	68.18, -15.02, 44.99
CIELCh	68, 47.430, 108.460
Yxy	38.2212, 0.3814, 0.4556
Android (android.graphics.Color)	4289113170 (0xFFA6AC52)
YUV	159.9460, -38.4274, 5.3094
Hunter-Lab	61.8233, -15.7944, 30.1632

Details

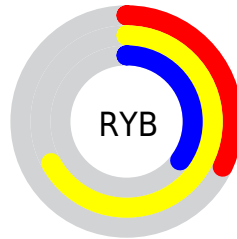
The XYZ color **32.0014, 38.2212, 13.6734** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.4895, 11.0887, 40.4086**, and the grayscale version is **33.5529, 35.3003, 38.4420**.

A 20% lighter version of the original color is **62.2036, 72.3474, 33.2402**, and **13.6459, 16.9766, 3.8539** is the 20% darker color. If you saturate the color by 10%, you get **31.1881, 37.8696, 10.6368**, and if you desaturate by 10%, it is **32.9827, 38.6430, 17.5758**.

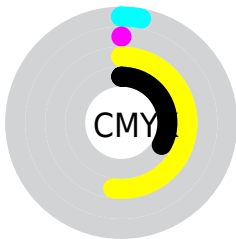
Distribution



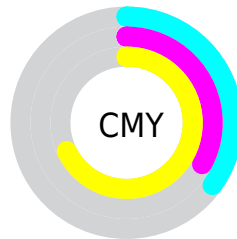
- Red (65%)
- Green (67%)
- Blue (32%)



- Red (32%)
- Yellow (67%)
- Blue (35%)



- Cyan (3%)
- Magenta (0%)
- Yellow (52%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0014, 38.2212, 13.6734 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 32.0014, 38.2212, 13.6734 by changing the saturation by 10% instead.

■ 32.0014, 38.2212,
13.6734

■ 32.0014, 38.2212,
13.6734

302.8708,
338.5679, 226.5468

■ 21.5181, 26.1544,
7.7577

■ 62.1785, 72.4471,
33.2171

■ 13.6179, 16.9392,
3.8548

■ 82.6030, 95.3749,
47.6823

■ 7.9353, 10.1911,
1.5460

■ 107.0719,
122.6919, 65.8343

■ 4.1050, 5.5259,
0.2519

■ 135.9506,
154.7825, 88.0918

■ 1.7617, 2.5590,
0.0000

■ 169.6046,
192.0309, 114.8732

■ 0.4944, 0.9061,
0.0000

208.3990,

■ 0.0000, 0.0000,

234.8217, 146.5972

0.0000

252.6993,
283.5393, 183.6822

■ 32.0014, 38.2212,
13.6734

■ 32.0014, 38.2212,
13.6734

■ 31.1881, 37.8696,
10.6368

■ 32.9827, 38.6430,
17.5758

■ 30.5277, 37.5780,
8.3977

■ 34.1406, 39.1343,
22.4006

■ 30.0066, 37.3424,
6.8816

■ 35.4861, 39.7010,
28.2024

■ 29.6080, 37.1560,
5.9989

■ 37.0288, 40.3467,
35.0309

■ 29.3566, 37.0350,
5.6012

■ 38.7774, 41.0751,
42.9326

■ 40.7402, 41.8893,
51.9508

■ 42.9250, 42.7927,
62.1266

■ 45.3392, 43.7880,
73.4992

■ 47.9898, 44.8782,
86.1056

Harmonies

Analogous

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



39.2531, 38.2212, 13.0754



32.0014, 38.2212, 13.6734



26.6745, 38.2212, 20.0008

Triad

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



32.0014, 38.2212, 13.6734



27.6765, 38.2212, 80.2320



52.1496, 38.2212, 50.3231

Complementary

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



32.0014, 38.2212, 13.6734



14.4895, 11.0887, 40.4086

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.



48.0681, 38.2212, 74.9577



32.0014, 38.2212, 13.6734



33.5522, 38.2212, 95.7545

Square

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



32.0014, 38.2212, 13.6734



24.4217, 38.2212, 55.9179



41.0282, 38.2212, 93.5501



51.5853, 38.2212, 29.9884

Rectangle

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



32.0014, 38.2212, 13.6734



24.6232, 38.2212, 28.3627



41.0282, 38.2212, 93.5501



51.2552, 38.2212, 58.4643

Sweetspot

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



32.0023, 38.2229, 13.6742



66.0196, 72.7092, 58.4124



22.0272, 16.3603, 9.9800



14.2271, 15.7509, 12.1612



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.



32.0023, 38.2229, 13.6742



56.3407, 68.5938, 18.4597



24.1621, 34.1812, 13.3073



8.6091, 9.3026, 8.5552



21.8632, 27.5680, 4.1688



0.6236, 0.7749, 0.1167

Inverse Universe

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



14.4895, 11.0887, 40.4086



21.0640, 13.8934, 72.3773



20.1377, 14.0005, 40.6729



7.6266, 7.7818, 10.0528



5.6670, 2.2813, 29.1862



0.1733, 0.0715, 0.8127

Previews

White Background



This preview shows how the XYZ color 32.0014, 38.2212, 13.6734 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 32.0014, 38.2212, 13.6734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

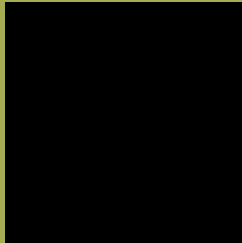
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0014, 38.2212, 13.6734

Background



This preview shows how black text looks on a background with the XYZ color 32.0014, 38.2212, 13.6734.



This preview shows how white text looks on a background with the XYZ color 32.0014, 38.2212,

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

32.0014, 38.2212, 13.6734

Protanopia

34.8514, 38.0420, 13.0954

Deuteranopia

38.8084, 37.9630, 14.0863



Tritanopia

38.5627, 38.1659, 45.8917

Trichromacy



Original Color

32.0014, 38.2212, 13.6734

Protanomaly

33.6193, 37.9465, 13.3371

Deuteranomaly

35.9721, 37.7974, 13.9940

Tritanomaly

35.4572, 37.9662, 30.6587

Monochromacy



Original Color

32.0014, 38.2212, 13.6734

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.3406, 35.8982, 27.0543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0014, 38.2212, 13.6734 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(166, 172, 82)` looks like.

```
.text, #text, p{  
    color:rgb(166, 172, 82)  
}
```

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(166, 172, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 172, 82) }
```

Border

The CSS property to change the border of an element to XYZ 32.0014, 38.2212, 13.6734 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(166, 172, 82) }
```


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

```
.border{ border-color:rgb(166, 172, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 172, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 172, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 172, 82);  
box-shadow:4px 4px 4px 4px rgb(166, 172,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0014, 38.2212, 13.6734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 172, 82) }
```

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

```
.background{ background-color: rgb(166,  
172, 82) }
```

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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