

Converting Colors

XYZ(32.7226, 38.0452, 8.3620)

Have a look what the booklet for
XYZ(32.7226, 38.0452, 8.3620)
contains.

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Color

**XYZ(32.8127, 38.1930,
8.4389)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AA30
RGB	176, 170, 48
RGB Percent	69%, 67%, 19%
CMY	0.3098, 0.3333, 0.8117
CMYK	0.00, 0.03, 0.73, 0.31
HSL	57°, 57%, 44%
HSV	57°, 73%, 69%
XYZ	32.8127, 38.1930, 8.4389
YIQ	157.8860, 42.7380, -36.6700

Conversions

Conversions Part 2

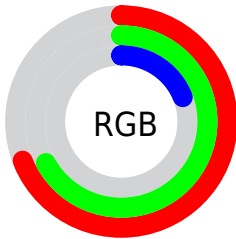
Format	Color
RYB	54, 176, 48
Decimal	11577904
CIELab	68.16, -12.01, 59.84
CIELCh	68, 61.030, 101.353
Yxy	38.1930, 0.4130, 0.4808
Android (android.graphics.Color)	4289767984 (0xFFB0AA30)
YUV	157.8860, -54.1738, 15.8860
Hunter-Lab	61.8005, -13.3770, 35.1642

Details

The XYZ color **32.8127, 38.1930, 8.4389** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.3746, 6.4013, 41.7626**, and the grayscale version is **32.6730, 34.3745, 37.4339**.

A 20% lighter version of the original color is **63.3051, 72.3221, 23.4550**, and **14.2242, 16.9499, 2.5220** is the 20% darker color. If you saturate the color by 10%, you get **32.3655, 37.7691, 6.8399**, and if you desaturate by 10%, it is **33.4067, 38.6801, 10.7986**.

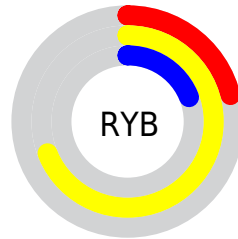
Distribution



Red (69%)

Green (67%)

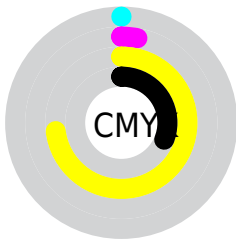
Blue (19%)



Red (21%)

Yellow (69%)

Blue (19%)

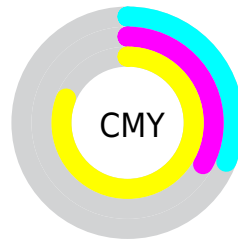


Cyan (0%)

Magenta (3%)

Yellow (73%)

Black (31%)



Cyan (31%)


Magenta (33%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8127, 38.1930, 8.4389 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 32.8127, 38.1930, 8.4389 by changing the saturation by 10% instead.


 32.8127, 38.1930,
8.4389


 32.8127, 38.1930,
8.4389


306.4848,
338.4472, 189.1964

 22.1415, 26.1325,
4.2853


 63.4396, 72.4039,
23.3747

 14.0781, 16.9228,
1.7831


 84.1261, 95.3230,
34.9939

 8.2571, 10.1795,
0.4168


 108.8818,
122.6305, 49.9388


 4.3131, 5.5181,
0.0000

 138.0719,
154.7108, 68.6278

 1.8807, 2.5543,
0.0000

 172.0620,
191.9482, 91.4796

 0.5656, 0.9038,
0.0000

 211.2172,

 0.0000, 0.0000,

234.7271, 118.9126

0.0000

255.9031,
283.4320, 151.3453

■ 32.8127, 38.1930,
8.4389

■ 32.8127, 38.1930,
8.4389

■ 32.3655, 37.7691,
6.8399

■ 33.4067, 38.6801,
10.7986

■ 32.0443, 37.3957,
5.9034

■ 34.1602, 39.2310,
13.9970

■ 31.8621, 37.1456,
5.4905

■ 35.0873, 39.8530,
18.1048

■ 36.2000, 40.5507,
23.1849

■ 37.5090, 41.3286,
29.2944

■ 39.0244, 42.1906,
36.4861

■ 40.7557, 43.1404,
44.8090

■ 42.7114, 44.1817,
54.3094

■ 44.8999, 45.3176,
65.0308

Harmonies

Analogous

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



42.4800, 38.1930, 9.0496



32.8127, 38.1930, 8.4389



25.4920, 38.1930, 13.3247

Triad

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



32.8127, 38.1930, 8.4389



24.2120, 38.1930, 86.7793



56.5752, 38.1930, 60.7195

Complementary

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



32.8127, 38.1930, 8.4389



10.3746, 6.4013, 41.7626

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.



49.8016, 38.1930, 94.7169



32.8127, 38.1930, 8.4389



30.7528, 38.1930, 113.7470

Square

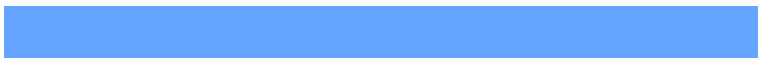
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.8127, 38.1930, 8.4389



21.1384, 38.1930, 52.7939



40.0288, 38.1930, 117.1593



57.3899, 38.1930, 32.0879

Rectangle

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



32.8127, 38.1930, 8.4389



22.4796, 38.1930, 21.1618



40.0288, 38.1930, 117.1593



54.8708, 38.1930, 72.1537

Sweetspot

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



32.8136, 38.1948, 8.4397



68.1167, 75.0078, 53.5409



19.6368, 11.6145, 4.7469



14.6183, 16.1716, 10.9276



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.



32.8136, 38.1948, 8.4397



58.3376, 68.0982, 11.2868



23.5846, 35.1435, 8.3371



9.1623, 9.8371, 9.0684



23.3903, 27.2792, 4.0326



0.7463, 0.8790, 0.1303

Inverse Universe

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



10.3746, 6.4013, 41.7626



15.4750, 7.4219, 75.1122



14.7902, 8.2887, 41.8942



8.0728, 8.2919, 10.6813



5.8275, 2.4555, 30.3038



0.1939, 0.0983, 0.9570

Previews

White Background



This preview shows how the XYZ color 32.8127, 38.1930, 8.4389 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 32.8127, 38.1930, 8.4389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

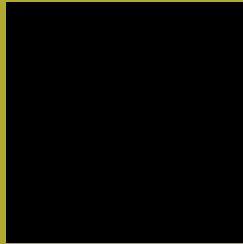
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8127, 38.1930, 8.4389

Background



This preview shows how black text looks on a background with the XYZ color 32.8127, 38.1930, 8.4389.



This preview shows how white text looks on a background with the XYZ color 32.8127, 38.1930,

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

32.8127, 38.1930, 8.4389

Protanopia

34.3990, 37.9168, 8.1950

Deuteranopia

38.8819, 38.1207, 8.6769



Tritanopia

39.9985, 38.1757, 43.7886

Trichromacy



Original Color

32.8127, 38.1930, 8.4389

Protanomaly

33.6232, 37.7878, 8.2110

Deuteranomaly

36.2828, 37.8154, 8.5188

Tritanomaly

36.1545, 37.6458, 25.0995

Monochromacy



Original Color

32.8127, 38.1930, 8.4389

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7074, 35.1480, 22.2526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8127, 38.1930, 8.4389 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(176, 170, 48)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 48)  
}
```

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(176, 170, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 48) }
```

Border

The CSS property to change the border of an element to XYZ 32.8127, 38.1930, 8.4389 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(176, 170, 48) }
```


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

```
.border{ border-color:rgb(176, 170, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 48);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8127, 38.1930, 8.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 48) }
```

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

```
.background{ background-color: rgb(176,  
170, 48) }
```

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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