

Converting Colors

XYZ(31.3308, 31.5583, 9.6997)

Have a look what the booklet for
XYZ(31.3308, 31.5583, 9.6997)
contains.

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Color

**XYZ(31.2140, 31.4630,
9.7380)**

Conversions

Conversions Part 1

Format	Color
Hex	B89343
RGB	184, 147, 67
RGB Percent	72%, 58%, 26%
CMY	0.2784, 0.4235, 0.7372
CMYK	0.00, 0.20, 0.64, 0.28
HSL	41°, 47%, 49%
HSV	41°, 64%, 72%
XYZ	31.2140, 31.4630, 9.7380
YIQ	148.9430, 47.7320, -17.0360

Conversions

Conversions Part 2

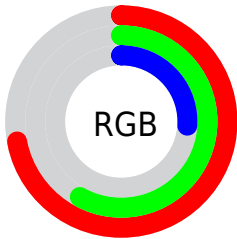
Format	Color
RYB	121, 184, 67
Decimal	12096323
CIELab	62.90, 4.89, 46.59
CIELCh	63, 46.844, 84.005
Yxy	31.4630, 0.4310, 0.4345
Android (android.graphics.Color)	4290286403 (0xFFB89343)
YUV	148.9430, -40.3979, 30.7450
Hunter-Lab	56.0919, 1.1708, 28.9711

Details

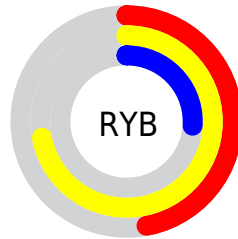
The XYZ color **31.2140, 31.4630, 9.7380** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **15.9166, 14.5541, 47.3175**, and the grayscale version is **28.6943, 30.1886, 32.8754**.

A 20% lighter version of the original color is **61.1188, 62.1360, 25.9117**, and **13.2560, 13.1703, 2.2589** is the 20% darker color. If you saturate the color by 10%, you get **29.8655, 29.5136, 6.9845**, and if you desaturate by 10%, it is **32.7851, 33.5771, 13.4314**.

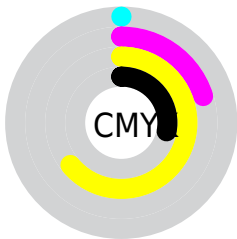
Distribution



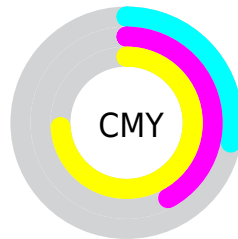
- Red (72%)
- Green (58%)
- Blue (26%)



- Red (47%)
- Yellow (72%)
- Blue (26%)



- Cyan (0%)
- Magenta (20%)
- Yellow (64%)
- Black (28%)



- Cyan (28%)
- Magenta (42%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2140, 31.4630, 9.7380 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 31.2140, 31.4630, 9.7380 by changing the saturation by 10% instead.

31.2140, 31.4630,
9.7380

31.2140, 31.4630,
9.7380

299.3323,
308.6657, 199.2082

20.9145, 20.9517,
5.1223

60.9504, 61.9683,
25.9016

13.1736, 13.0887,
2.2592

81.1180, 82.7310,
38.2865

7.6260, 7.4896,
0.7082

105.3056,
107.6797, 54.0983

3.9064, 3.7702,
0.0000

133.8787,
137.1987, 73.7554

1.6493, 1.5458,
0.0000

167.2025,
171.6724, 97.6764

0.4242, 0.3207,
0.0000

205.6425,

0.0000, 0.0000,

211.4852, 126.2798

0.0000

249.5640,
257.0215, 159.9842

■ 31.2140, 31.4630,
9.7380

■ 31.2140, 31.4630,
9.7380

■ 29.8655, 29.5136,
6.9845

■ 32.7851, 33.5771,
13.4314

■ 28.7195, 27.7161,
5.0779

■ 34.5922, 35.8588,
18.1423

■ 27.7552, 26.0623,
3.9092

■ 36.6503, 38.3160,
23.9422

■ 27.2048, 25.0657,
3.4043

■ 38.9720, 40.9551,
30.8955

■ 41.5693, 43.7817,
39.0616

■ 44.4533, 46.8011,
48.4960

■ 47.6343, 50.0187,
59.2505

■ 51.1222, 53.4391,
71.3740

■ 54.9264, 57.0671,
84.9131

Harmonies

Analogous

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



37.7715, 31.4630, 12.8603



31.2140, 31.4630, 9.7380



25.1537, 31.4630, 11.0310

Triad

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



31.2140, 31.4630, 9.7380



19.9765, 31.4630, 50.7673



41.0588, 31.4630, 59.5524

Complementary

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



31.2140, 31.4630, 9.7380



15.9166, 14.5541, 47.3175

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.



35.2190, 31.4630, 77.8267



31.2140, 31.4630, 9.7380



23.2138, 31.4630, 71.6119

Square

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



31.2140, 31.4630, 9.7380



19.2211, 31.4630, 30.6927



28.6324, 31.4630, 82.8881



43.9557, 31.4630, 38.0889

Rectangle

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



31.2140, 31.4630, 9.7380



22.1147, 31.4630, 14.5859



28.6324, 31.4630, 82.8881



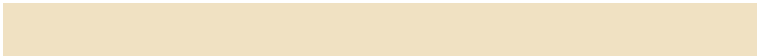
39.3378, 31.4630, 66.5412

Sweetspot

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



31.2147, 31.4645, 9.7386



72.5948, 76.3873, 62.0495



24.2757, 15.2054, 14.7659



15.3682, 16.1581, 12.4994



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.2147, 31.4645, 9.7386



53.3330, 52.2691, 11.2183



33.1659, 42.4252, 11.7514



9.5042, 10.0114, 9.5384



18.8151, 17.4065, 2.3681



0.7162, 0.7195, 0.1011

Inverse Universe

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



15.9166, 14.5541, 47.3175



23.5469, 19.4503, 84.7178



14.7264, 9.5721, 46.4186



8.7467, 9.1706, 11.3885



7.0688, 4.5972, 31.7679



0.3065, 0.2766, 1.1390

Previews

White Background



This preview shows how the XYZ color 31.2140, 31.4630, 9.7380 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 31.2140, 31.4630, 9.7380 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 31.2140, 31.4630, 9.7380

Background



This preview shows how black text looks on a background with the XYZ color 31.2140, 31.4630, 9.7380.



This preview shows how white text looks on a background with the XYZ color 31.2140, 31.4630,

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

31.2140, 31.4630, 9.7380

Protanopia

28.8276, 31.6472, 10.2194

Deuteranopia

32.1551, 31.4870, 9.8517



Tritanopia

35.7485, 31.2940, 32.5900

Trichromacy



Original Color

31.2140, 31.4630, 9.7380

Protanomaly

29.5656, 31.5492, 10.0002

Deuteranomaly

31.8158, 31.5399, 9.8798

Tritanomaly

33.5937, 31.0730, 21.6799

Monochromacy



Original Color

31.2140, 31.4630, 9.7380

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8200, 30.1931, 21.7616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2140, 31.4630, 9.7380 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(184, 147, 67)` looks like.

```
.text, #text, p{  
    color:rgb(184, 147, 67)  
}
```

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(184, 147, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 147, 67) }
```

Border

The CSS property to change the border of an element to XYZ 31.2140, 31.4630, 9.7380 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(184, 147, 67) }
```


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

```
.border{ border-color:rgb(184, 147, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 147, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 147, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 147, 67);  
box-shadow:4px 4px 4px 4px rgb(184, 147,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2140, 31.4630, 9.7380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 147, 67) }
```

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

```
.background{ background-color: rgb(184,  
147, 67) }
```

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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