

Converting Colors

XYZ(31.0693, 32.8016, 6.1892)

Have a look what the booklet for
XYZ(31.0693, 32.8016, 6.1892)
contains.

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Color

**XYZ(31.2084, 32.9652,
6.2314)**

Conversions

Conversions Part 1

Format	Color
Hex	B79922
RGB	183, 153, 34
RGB Percent	72%, 60%, 13%
CMY	0.2824, 0.4000, 0.8666
CMYK	0.00, 0.16, 0.81, 0.28
HSL	48°, 69%, 43%
HSV	48°, 81%, 72%
XYZ	31.2084, 32.9652, 6.2314
YIQ	148.4040, 56.0790, -30.6490

Conversions

Conversions Part 2

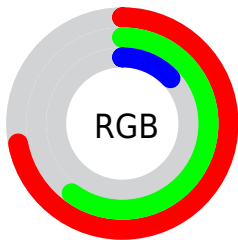
Format	Color
RYB	72, 183, 34
Decimal	12032290
CIELab	64.13, -0.46, 61.09
CIELCh	64, 61.088, 90.428
Yxy	32.9652, 0.4433, 0.4682
Android (android.graphics.Color)	4290222370 (0xFFB79922)
YUV	148.4040, -56.4012, 30.3407
Hunter-Lab	57.4153, -3.4522, 33.7559

Details

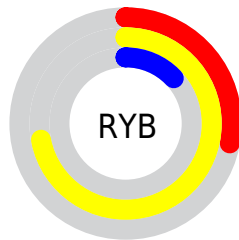
The XYZ color **31.2084, 32.9652, 6.2314** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.0404, 7.4257, 45.6509**, and the grayscale version is **28.5302, 30.0160, 32.6874**.

A 20% lighter version of the original color is **60.7762, 64.2411, 18.8694**, and **13.3556, 13.9384, 1.9865** is the 20% darker color. If you saturate the color by 10%, you get **30.4179, 31.7003, 4.9943**, and if you desaturate by 10%, it is **32.1594, 34.3267, 8.2156**.

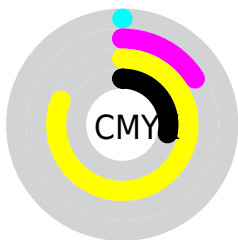
Distribution



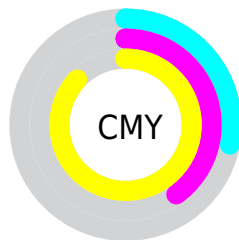
- Red (72%)
- Green (60%)
- Blue (13%)



- Red (28%)
- Yellow (72%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (81%)
- Black (28%)





- Cyan (28%)
- Magenta (40%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2084, 32.9652, 6.2314 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 31.2084, 32.9652, 6.2314 by changing the saturation by 10% instead.


 31.2084, 32.9652,
6.2314


 31.2084, 32.9652,
6.2314

299.3070,
315.4929, 170.4961


 20.9102, 22.0998,
2.9152


 60.9416, 64.3212,
18.8952

 13.1705, 13.9302,
1.0515


 81.1074, 85.5806,
29.0800


 7.6238, 8.0722,
0.0000


 105.2930,
111.0734, 42.3913

 3.9050, 4.1412,
0.0000

 133.8639,
141.1840, 59.2478

 1.6485, 1.7528,
0.0000

 167.1854,
176.2969, 80.0680

 0.4237, 0.4575,
0.0000

 205.6228,

 0.0000, 0.0000,

216.7964, 105.2704

0.0000

249.5416,
263.0669, 135.2736

■ 31.2084, 32.9652,
6.2314

■ 31.2084, 32.9652,
6.2314

■ 30.4179, 31.7003,
4.9943

■ 32.1594, 34.3267,
8.2156

■ 29.8318, 30.6741,
4.3484

■ 33.2885, 35.7882,
11.0482

■ 34.6131, 37.3582,
14.8167

■ 36.1478, 39.0428,
19.5972

■ 37.9056, 40.8474,
25.4579

■ 39.8986, 42.7772,
32.4612

■ 42.1378, 44.8368,
40.6645

■ 44.6336, 47.0306,
50.1216

■ 47.3956, 49.3627,
60.8828

Harmonies

Analogous

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



40.2739, 32.9652, 8.3671



31.2084, 32.9652, 6.2314



23.6445, 32.9652, 8.5026

Triad

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



31.2084, 32.9652, 6.2314



19.0726, 32.9652, 65.8093



48.1296, 32.9652, 64.8908

Complementary

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



31.2084, 32.9652, 6.2314



11.0404, 7.4257, 45.6509

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.



40.5287, 32.9652, 94.5883



31.2084, 32.9652, 6.2314



23.8232, 32.9652, 95.2685

Square

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



31.2084, 32.9652, 6.2314



17.4751, 32.9652, 36.2504



31.4568, 32.9652, 107.6565



51.0699, 32.9652, 35.5390

Rectangle

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



31.2084, 32.9652, 6.2314



20.1854, 32.9652, 13.3040



31.4568, 32.9652, 107.6565



45.9735, 32.9652, 75.5697

Sweetspot

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



31.2091, 32.9668, 6.2321



70.3499, 75.5606, 54.1819



21.0923, 11.6083, 6.3276



15.2571, 16.4172, 10.9785



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.



31.2091, 32.9668, 6.2321



53.4934, 55.0253, 7.9377



28.1700, 39.6261, 7.6776



9.5925, 10.1879, 9.5678



20.8606, 21.4976, 3.0500



0.7749, 0.8369, 0.1207

Inverse Universe

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



11.0404, 7.4257, 45.6509



16.5745, 8.5680, 81.0159



12.1173, 6.1087, 45.3399



8.6636, 9.0045, 11.3609



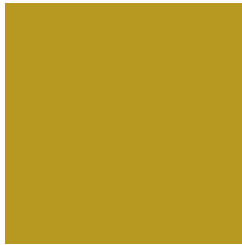
6.4609, 3.3816, 31.5652



0.2715, 0.2067, 1.1273

Previews

White Background



This preview shows how the XYZ color 31.2084, 32.9652, 6.2314 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 31.2084, 32.9652, 6.2314 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 31.2084, 32.9652, 6.2314

Background



This preview shows how black text looks on a background with the XYZ color 31.2084, 32.9652, 6.2314.



This preview shows how white text looks on a background with the XYZ color 31.2084, 32.9652,

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

31.2084, 32.9652, 6.2314

Protanopia

29.8710, 33.0122, 6.3877

Deuteranopia

33.6888, 33.0491, 6.3538



Tritanopia

37.1411, 33.0544, 34.9944

Trichromacy



Original Color

31.2084, 32.9652, 6.2314

Protanomaly

30.3848, 33.0290, 6.3639

Deuteranomaly

32.7106, 33.0164, 6.3178

Tritanomaly

33.9872, 32.6846, 19.2693

Monochromacy



Original Color

31.2084, 32.9652, 6.2314

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2581, 30.4513, 18.2982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2084, 32.9652, 6.2314 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(183, 153, 34)` looks like.

```
.text, #text, p{  
    color:rgb(183, 153, 34)  
}
```

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(183, 153, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 153, 34) }
```

Border

The CSS property to change the border of an element to XYZ 31.2084, 32.9652, 6.2314 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(183, 153, 34) }
```


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

```
.border{ border-color:rgb(183, 153, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 153, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 153, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 153, 34);  
box-shadow:4px 4px 4px 4px rgb(183, 153,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2084, 32.9652, 6.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 153, 34) }
```

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

```
.background{ background-color: rgb(183,  
153, 34) }
```

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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