

Converting Colors

XYZ(31.2267, 33.0034, 5.7095)

Have a look what the booklet for
XYZ(31.2267, 33.0034, 5.7095)
contains.

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Color

**XYZ(31.1061, 32.9243,
5.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	B7991A
RGB	183, 153, 26
RGB Percent	72%, 60%, 10%
CMY	0.2824, 0.4000, 0.8980
CMYK	0.00, 0.16, 0.86, 0.28
HSL	49°, 75%, 41%
HSV	49°, 86%, 72%
XYZ	31.1061, 32.9243, 5.6928
YIQ	147.4920, 58.6470, -33.1370

Conversions

Conversions Part 2

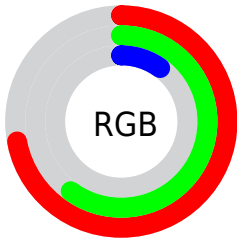
Format	Color
RYB	63, 183, 26
Decimal	12032282
CIELab	64.10, -0.69, 63.32
CIELCh	64, 63.321, 90.625
Yxy	32.9243, 0.4461, 0.4722
Android (android.graphics.Color)	4290222362 (0xFFB7991A)
YUV	147.4920, -59.8956, 31.1405
Hunter-Lab	57.3797, -3.6479, 34.2835

Details

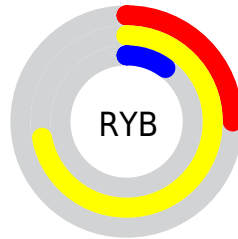
The XYZ color **31.1061, 32.9243, 5.6928** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.3875, 6.4669, 45.5001**, and the grayscale version is **28.1619, 29.6285, 32.2654**.

A 20% lighter version of the original color is **60.9147, 64.3362, 17.8019**, and **13.2088, 13.8627, 1.9796** is the 20% darker color. If you saturate the color by 10%, you get **30.3986, 31.7403, 4.7456**, and if you desaturate by 10%, it is **31.9614, 34.1969, 7.3292**.

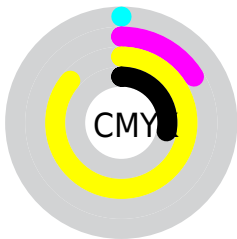
Distribution



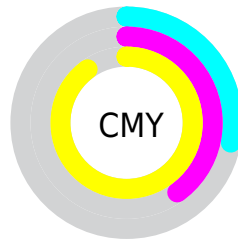
- Red (72%)
- Green (60%)
- Blue (10%)



- Red (25%)
- Yellow (72%)
- Blue (10%)



- Cyan (0%)
- Magenta (16%)
- Yellow (86%)
- Black (28%)



- Cyan (28%)
- Magenta (40%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1061, 32.9243, 5.6928 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 31.1061, 32.9243, 5.6928 by changing the saturation by 10% instead.

■ 31.1061, 32.9243,
5.6928

■ 31.1061, 32.9243,
5.6928

298.8450,
315.3085, 165.5070

■ 20.8319, 22.0685,
2.5934

■ 60.7818, 64.2573,
17.7564

■ 13.1129, 13.9072,
0.8891

■ 80.9140, 85.5033,
27.5577

■ 7.5839, 8.0562,
0.0000

■ 105.0628,
110.9814, 40.4301

■ 3.8794, 4.1309,
0.0000

■ 133.5937,
141.0761, 56.7921

■ 1.6341, 1.7471,
0.0000

■ 166.8720,
176.1718, 77.0622

■ 0.4145, 0.4538,
0.0000

■ 205.2631,

■ 0.0000, 0.0000,

216.6528, 101.6591

0.0000

249.1323,
262.9036, 131.0012

■ 31.1061, 32.9243,
5.6928

■ 31.1061, 32.9243,
5.6928

■ 30.3986, 31.7403,
4.7456

■ 31.9614, 34.1969,
7.3292

■ 30.1239, 31.2584,
4.4458

■ 32.9849, 35.5624,
9.7708

■ 34.1950, 37.0300,
13.1113

■ 35.6072, 38.6058,
17.4309

■ 37.2351, 40.2956,
22.8012

■ 39.0911, 42.1047,
29.2868

■ 41.1867, 44.0376,
36.9472

■ 43.5325, 46.0990,
45.8377

■ 46.1384, 48.2931,
56.0100

Harmonies

Analogous

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



40.5219, 32.9243, 7.7606



31.1061, 32.9243, 5.6928



23.3164, 32.9243, 7.9562

Triad

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



31.1061, 32.9243, 5.6928



18.6925, 32.9243, 67.2928



48.8235, 32.9243, 65.8849

Complementary

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



31.1061, 32.9243, 5.6928



10.3875, 6.4669, 45.5001

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.



40.9097, 32.9243, 97.2257



31.1061, 32.9243, 5.6928



23.5848, 32.9243, 98.2756

Square

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



31.1061, 32.9243, 5.6928



17.0411, 32.9243, 36.3896



31.4818, 32.9243, 111.2182



51.8609, 32.9243, 35.3137

Rectangle

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



31.1061, 32.9243, 5.6928



19.7817, 32.9243, 12.7835



31.4818, 32.9243, 111.2182



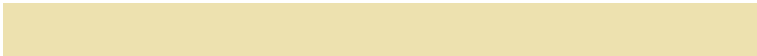
46.5793, 32.9243, 77.1127

Sweetspot

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



31.1068, 32.9259, 5.6934



69.7866, 75.1954, 51.6468



20.6465, 11.1057, 4.9794



15.1520, 16.3571, 10.4810



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.



31.1068, 32.9259, 5.6934



53.7900, 55.6600, 7.9084



27.2572, 39.1673, 7.1011



9.6004, 10.2038, 9.5704



21.0627, 21.9017, 3.1173



0.7806, 0.8482, 0.1226

Inverse Universe

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



10.3875, 6.4669, 45.5001



16.2582, 8.0236, 80.9275



11.6722, 5.5784, 45.2609



8.6563, 8.9898, 11.3584



6.4199, 3.2994, 31.5516



0.2684, 0.2004, 1.1263

Previews

White Background



This preview shows how the XYZ color 31.1061, 32.9243, 5.6928 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 31.1061, 32.9243, 5.6928 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 31.1061, 32.9243, 5.6928

Background



This preview shows how black text looks on a background with the XYZ color 31.1061, 32.9243, 5.6928.



This preview shows how white text looks on a background with the XYZ color 31.1061, 32.9243,

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

31.1061, 32.9243, 5.6928

Protanopia

29.7655, 32.9700, 5.8320

Deuteranopia

33.5892, 33.0093, 5.8294



Tritanopia

36.9086, 32.7223, 34.5077

Trichromacy



Original Color

31.1061, 32.9243, 5.6928

Protanomaly

30.2793, 32.9868, 5.8081

Deuteranomaly

32.6140, 32.9778, 5.8088

Tritanomaly

33.6718, 32.3107, 18.3718

Monochromacy



Original Color

31.1061, 32.9243, 5.6928

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.6928, 29.9477, 17.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1061, 32.9243, 5.6928 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(183, 153, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 153, 26) }
```

Border

The CSS property to change the border of an element to XYZ 31.1061, 32.9243, 5.6928 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, 26) }
```


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

```
.border{ border-color:rgb(183, 153, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 153, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 153, 26);  
box-shadow:4px 4px 4px 4px rgb(183, 153,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1061, 32.9243, 5.6928 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, 26) }
```

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

```
.background{ background-color: rgb(183,  
153, 26) }
```

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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