

Converting Colors

XYZ(31.7093, 32.8139, 6.4460)

Have a look what the booklet for
XYZ(31.7093, 32.8139, 6.4460)
contains.

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Color

**XYZ(31.6502, 32.7059,
6.3950)**

Conversions

Conversions Part 1

Format	Color
Hex	BA9725
RGB	186, 151, 37
RGB Percent	73%, 59%, 15%
CMY	0.2706, 0.4078, 0.8549
CMYK	0.00, 0.19, 0.80, 0.27
HSL	46°, 67%, 44%
HSV	46°, 80%, 73%
XYZ	31.6502, 32.7059, 6.3950
YIQ	148.4690, 57.4540, -28.0340

Conversions

Conversions Part 2

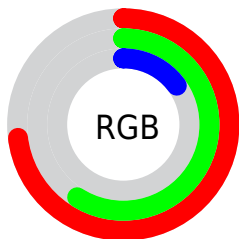
Format	Color
RYB	83, 186, 37
Decimal	12228389
CIELab	63.92, 2.07, 60.05
CIElCh	64, 60.090, 88.024
Yxy	32.7059, 0.4473, 0.4623
Android (android.graphics.Color)	4290418469 (0xFFBA9725)
YUV	148.4690, -54.9542, 32.9147
Hunter-Lab	57.1891, -1.2935, 33.4024

Details

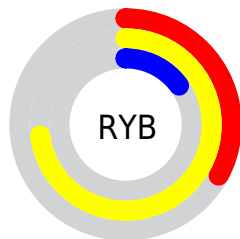
The XYZ color **31.6502, 32.7059, 6.3950** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.9432, 8.5731, 47.4792**, and the grayscale version is **28.5513, 30.0382, 32.7116**.

A 20% lighter version of the original color is **61.7691, 64.0282, 19.2283**, and **13.5558, 13.8966, 1.9678** is the 20% darker color. If you saturate the color by 10%, you get **30.7393, 31.2386, 4.9993**, and if you desaturate by 10%, it is **32.7373, 34.2879, 8.5837**.

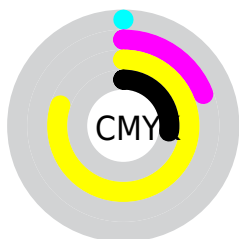
Distribution



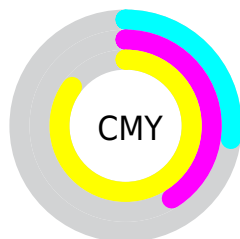
- Red (73%)
- Green (59%)
- Blue (15%)



- Red (33%)
- Yellow (73%)
- Blue (15%)



- Cyan (0%)
- Magenta (19%)
- Yellow (80%)
- Black (27%)





- Cyan (27%)
- Magenta (41%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6502, 32.7059, 6.3950 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 31.6502, 32.7059, 6.3950 by changing the saturation by 10% instead.


 31.6502, 32.7059,
6.3950


 31.6502, 32.7059,
6.3950


301.2964,
314.3224, 171.9730

 21.2487, 21.9012,
3.0141


 61.6312, 63.9161,
19.2370


 13.4194, 13.7844,
1.1018


 81.9414, 85.0904,
29.5353


 7.7970, 7.9708,
0.0000

 106.2853,
110.4901, 42.9763

 4.0160, 4.0763,
0.0000

 135.0281,
140.4995, 59.9787

 1.7112, 1.7163,
0.0000

 168.5353,
175.5030, 80.9611

 0.4633, 0.4342,
0.0000

 207.1722,

 0.0000, 0.0000,

215.8851, 106.3419

0.0000

251.3041,
262.0301, 136.5397

■ 31.6502, 32.7059,
6.3950

■ 31.6502, 32.7059,
6.3950

■ 30.7393, 31.2386,
4.9993

■ 32.7373, 34.2879,
8.5837

■ 29.9693, 29.8786,
4.1876

■ 34.0186, 35.9885,
11.6682

■ 35.5119, 37.8164,
15.7382

■ 37.2323, 39.7782,
20.8715

■ 39.1934, 41.8796,
27.1384

■ 41.4076, 44.1261,
34.6031

■ 43.8865, 46.5226,
43.3249

■ 46.6407, 49.0740,
53.3592

■ 49.6803, 51.7845,
64.7580

Harmonies

Analogous

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



40.5206, 32.7059, 8.9081



31.6502, 32.7059, 6.3950



24.0522, 32.7059, 8.2856

Triad

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



31.6502, 32.7059, 6.3950



18.8238, 32.7059, 62.2913



47.0274, 32.7059, 66.4181

Complementary

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



31.6502, 32.7059, 6.3950



11.9432, 8.5731, 47.4792

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.



39.3725, 32.7059, 94.5990



31.6502, 32.7059, 6.3950



23.2428, 32.7059, 91.5515

Square

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



31.6502, 32.7059, 6.3950



17.4980, 32.7059, 34.0290



30.5285, 32.7059, 105.4109



50.3422, 32.7059, 37.2416

Rectangle

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



31.6502, 32.7059, 6.3950



20.4930, 32.7059, 12.6566



30.5285, 32.7059, 105.4109



44.8154, 32.7059, 76.7410

Sweetspot

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



31.6509, 32.7075, 6.3956



73.2744, 78.2015, 56.6403



22.1558, 12.2603, 7.7221



15.8236, 16.9023, 11.4247



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.6509, 32.7075, 6.3956



54.6610, 54.7510, 7.9653



30.2417, 41.6172, 8.1897



9.5666, 10.1361, 9.5592



20.2222, 20.2207, 2.8372



0.7570, 0.8010, 0.1147

Inverse Universe

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



11.9432, 8.5731, 47.4792



18.0369, 10.1903, 85.2177



12.3681, 6.3345, 47.0247



8.6878, 9.0528, 11.3689



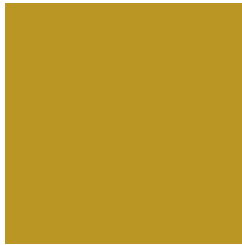
6.6099, 3.6794, 31.6149



0.2817, 0.2271, 1.1307

Previews

White Background



This preview shows how the XYZ color 31.6502, 32.7059, 6.3950 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 31.6502, 32.7059, 6.3950 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 31.6502, 32.7059, 6.3950

Background



This preview shows how black text looks on a background with the XYZ color 31.6502, 32.7059, 6.3950.



This preview shows how white text looks on a background with the XYZ color 31.6502, 32.7059,

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

31.6502, 32.7059, 6.3950

Protanopia

29.5268, 32.5813, 6.5663

Deuteranopia

33.3056, 32.6160, 6.4596



Tritanopia

37.4405, 32.7861, 34.0608

Trichromacy



Original Color

31.6502, 32.7059, 6.3950

Protanomaly

30.2656, 32.7161, 6.5534

Deuteranomaly

32.6780, 32.5262, 6.3896

Tritanomaly

34.4257, 32.4530, 19.2015

Monochromacy



Original Color

31.6502, 32.7059, 6.3950

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.3545, 30.2590, 18.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6502, 32.7059, 6.3950 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(186, 151, 37)` looks like.

```
.text, #text, p{  
    color:rgb(186, 151, 37)  
}
```

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(186, 151, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 151, 37) }
```

Border

The CSS property to change the border of an element to XYZ 31.6502, 32.7059, 6.3950 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(186, 151, 37) }
```


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

```
.border{ border-color:rgb(186, 151, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 151, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 151, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 151, 37);  
box-shadow:4px 4px 4px 4px rgb(186, 151,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6502, 32.7059, 6.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 151, 37) }
```

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

```
.background{ background-color: rgb(186,  
151, 37) }
```

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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