

Converting Colors

XYZ(31.7688, 34.2308, 7.1244)

Have a look what the booklet for
XYZ(31.7688, 34.2308, 7.1244)
contains.

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Color

**XYZ(31.7663, 34.2262,
7.1225)**

Conversions

Conversions Part 1

Format	Color
Hex	B69D2A
RGB	182, 157, 42
RGB Percent	71%, 62%, 16%
CMY	0.2863, 0.3843, 0.8353
CMYK	0.00, 0.14, 0.77, 0.29
HSL	49°, 62%, 44%
HSV	49°, 77%, 71%
XYZ	31.7663, 34.2262, 7.1225
YIQ	151.3650, 51.8150, -30.4650

Conversions

Conversions Part 2

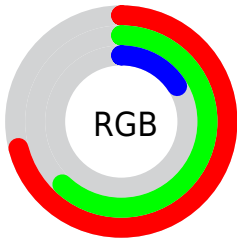
Format	Color
R_{YB}	72, 182, 42
Decimal	11967786
CIE Lab	65.14, -2.76, 59.31
CIE LCh	65, 59.379, 92.666
Yxy	34.2262, 0.4345, 0.4681
Android (android.graphics.Color)	4290157866 (0xFFB69D2A)
YUV	151.3650, -53.9169, 26.8669
Hunter-Lab	58.5032, -5.4578, 33.7339

Details

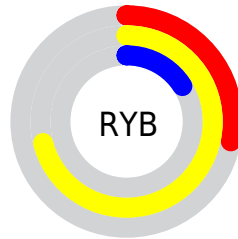
The XYZ color **31.7663, 34.2262, 7.1225** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.4055, 7.8838, 45.1763**, and the grayscale version is **29.7813, 31.3323, 34.1209**.

A 20% lighter version of the original color is **61.7276, 66.1524, 20.8246**, and **13.6115, 14.6680, 2.1138** is the 20% darker color. If you saturate the color by 10%, you get **30.9694, 33.0408, 5.5987**, and if you desaturate by 10%, it is **32.7272, 35.5033, 9.4312**.

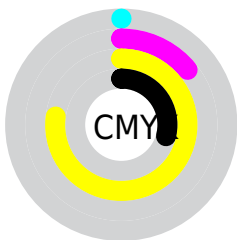
Distribution



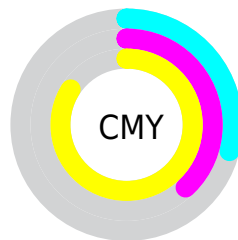
- Red (71%)
- Green (62%)
- Blue (16%)



- Red (28%)
- Yellow (71%)
- Blue (16%)



- Cyan (0%)
- Magenta (14%)
- Yellow (77%)
- Black (29%)





- Cyan (29%)
- Magenta (38%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7663, 34.2262, 7.1225 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 31.7663, 34.2262, 7.1225 by changing the saturation by 10% instead.


 31.7663, 34.2262,
7.1225


 31.7663, 34.2262,
7.1225


301.8175,
321.1395, 178.3471

 21.3377, 23.0674,
3.4592


 61.8122, 66.2853,
20.7363


 13.4850, 14.6433,
1.3336


 82.1603, 87.9544,
31.5239

 7.8426, 8.5694,
0.0891


 106.5455,
113.8957, 45.5233

 4.0454, 4.4614,
0.0000

 135.3334,
144.4936, 63.1531

 1.7278, 1.9349,
0.0000

 168.8892,
180.1326, 84.8319

 0.4736, 0.5692,
0.0000

 207.5782,

 0.0000, 0.0000,

221.1969, 110.9781

0.0000

251.7659,
268.0711, 142.0103

■ 31.7663, 34.2262,
7.1225

■ 31.7663, 34.2262,
7.1225

■ 30.9694, 33.0408,
5.5987

■ 32.7272, 35.5033,
9.4312

■ 30.3093, 31.9319,
4.7269

■ 33.8678, 36.8745,
12.6163

■ 30.1189, 31.6003,
4.5120

■ 35.2040, 38.3478,
16.7590

■ 36.7497, 39.9287,
21.9306

■ 38.5171, 41.6224,
28.1955

■ 40.5175, 43.4336,
35.6129

■ 42.7616, 45.3667,
44.2379

■ 45.2592, 47.4257,
54.1218

■ 48.0195, 49.6147,
65.3131

Harmonies

Analogous

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



40.7475, 34.2262, 9.0091



31.7663, 34.2262, 7.1225



24.3825, 34.2262, 9.8931

Triad

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



31.7663, 34.2262, 7.1225



20.4813, 34.2262, 69.1940



49.5814, 34.2262, 63.5775

Complementary

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



31.7663, 34.2262, 7.1225



11.4055, 7.8838, 45.1763

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.



42.3185, 34.2262, 93.1861



31.7663, 34.2262, 7.1225



25.5007, 34.2262, 97.3121

Square

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



31.7663, 34.2262, 7.1225



18.6282, 34.2262, 39.5177



33.3078, 34.2262, 107.6044



52.0475, 34.2262, 35.1024

Rectangle

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



31.7663, 34.2262, 7.1225



21.0552, 34.2262, 15.2608



33.3078, 34.2262, 107.6044



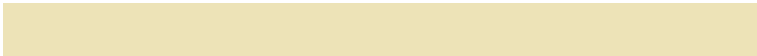
47.5636, 34.2262, 74.0872

Sweetspot

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



31.7671, 34.2278, 7.1232



71.0632, 76.5965, 55.6239



21.1527, 12.0146, 6.6203



15.4178, 16.6617, 11.2693



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.



31.7671, 34.2278, 7.1232



55.3316, 58.5556, 9.0009



27.5721, 38.9978, 8.2650



9.6101, 10.2232, 9.5737



21.3137, 22.4037, 3.2010



0.7875, 0.8620, 0.1249

Inverse Universe

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



11.4055, 7.8838, 45.1763



17.0853, 9.2799, 81.1264



13.1403, 7.0280, 44.9197



8.6473, 8.9719, 11.3554



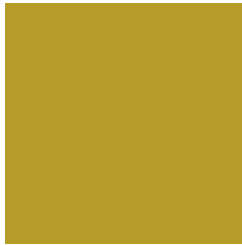
6.3726, 3.2048, 31.5358



0.2646, 0.1928, 1.1250

Previews

White Background



This preview shows how the XYZ color 31.7663, 34.2262, 7.1225 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 31.7663, 34.2262, 7.1225 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 31.7663, 34.2262, 7.1225

Background



This preview shows how black text looks on a background with the XYZ color 31.7663, 34.2262, 7.1225.

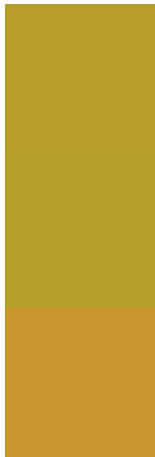


This preview shows how white text looks on a background with the XYZ color 31.7663, 34.2262, 7.1225.

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

31.7663, 34.2262, 7.1225

Protanopia

31.1762, 34.4284, 7.1927

Deuteranopia

34.9332, 34.1443, 7.2319



Tritanopia

37.6856, 33.9735, 36.9191

Trichromacy



Original Color

31.7663, 34.2262, 7.1225

Protanomaly

31.2352, 34.2046, 7.1464

Deuteranomaly

33.8382, 34.3018, 7.2203

Tritanomaly

34.5522, 33.6384, 21.1948

Monochromacy



Original Color

31.7663, 34.2262, 7.1225

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1608, 31.6115, 19.6036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7663, 34.2262, 7.1225 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(182, 157, 42)` looks like.

```
.text, #text, p{  
    color:rgb(182, 157, 42)  
}
```

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(182, 157, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 157, 42) }
```

Border

The CSS property to change the border of an element to XYZ 31.7663, 34.2262, 7.1225 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(182, 157, 42) }
```


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

```
.border{ border-color:rgb(182, 157, 42) }
```

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

Here you see how a box with a 4 pixel rgb(182, 157, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 157, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 157, 42);  
box-shadow:4px 4px 4px 4px rgb(182, 157,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7663, 34.2262, 7.1225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 157, 42) }
```

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

```
.background{ background-color: rgb(182,  
157, 42) }
```

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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