

Converting Colors

XYZ(31.7107, 34.7838, 5.0426)

Have a look what the booklet for
XYZ(31.7107, 34.7838, 5.0426)
contains.

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Color

**XYZ(31.6895, 34.7414,
5.0355)**

Conversions

Conversions Part 1

Format	Color
Hex	B69F00
RGB	182, 159, 0
RGB Percent	71%, 62%, 0%
CMY	0.2863, 0.3764, 1.0000
CMYK	0.00, 0.13, 1.00, 0.29
HSL	52°, 100%, 36%
HSV	52°, 100%, 71%
XYZ	31.6895, 34.7414, 5.0355
YIQ	147.7510, 64.7470, -44.5730

Conversions

Conversions Part 2

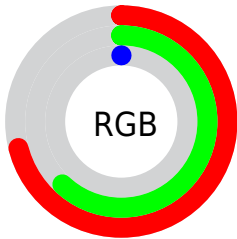
Format	Color
RYB	26, 182, 0
Decimal	11968256
CIELab	65.55, -4.79, 68.81
CIELCh	66, 68.975, 93.981
Yxy	34.7414, 0.4434, 0.4861
Android (android.graphics.Color)	4290158336 (0xFFB69F00)
YUV	147.7510, -72.8412, 30.0364
Hunter-Lab	58.9418, -7.1794, 36.1940

Details

The XYZ color **31.6895, 34.7414, 5.0355** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.7501, 3.9905, 44.5645**, and the grayscale version is **28.3209, 29.7958, 32.4477**.

A 20% lighter version of the original color is **61.6822, 66.9737, 16.3328**, and **13.6747, 15.0102, 2.1765** is the 20% darker color. If you saturate the color by 10%, you get **31.6899, 34.7425, 5.0357**, and if you desaturate by 10%, it is **32.2003, 35.5857, 5.7530**.

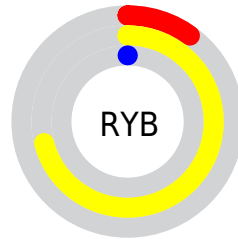
Distribution



Red (71%)

Green (62%)

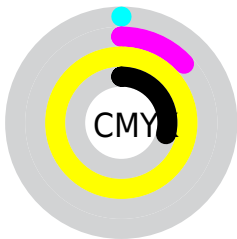
Blue (0%)



Red (10%)

Yellow (71%)

Blue (0%)

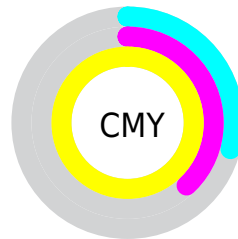


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6895, 34.7414, 5.0355 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 31.6895, 34.7414, 5.0355 by changing the saturation by 10% instead.


 31.6895, 34.7414,
5.0355


 31.6895, 34.7414,
5.0355


301.4729,
323.4254, 159.1204


 21.2788, 23.4637,
2.2090


 61.6925, 67.0850,
16.3351


 13.4416, 14.9363,
0.6796


 82.0155, 88.9197,
25.6454


 7.8124, 8.7747,
0.0000

 106.3734,
115.0421, 37.9539

 4.0259, 4.5945,
0.0000

 135.1315,
145.8368, 53.6793

 1.7168, 2.0114,
0.0000

 168.6551,
181.6881, 73.2401

 0.4668, 0.6141,
0.0000

 207.3097,

 0.0000, 0.0000,

222.9804, 97.0549

0.0000

251.4605,
270.0980, 125.5421

31.6895, 34.7414,
5.0355

31.6895, 34.7414,
5.0355

31.6899, 34.7425,
5.0357

32.2003, 35.5857,
5.7530

32.8207, 36.4844,
7.0146

33.5902, 37.4546,
9.0250

34.5278, 38.5039,
11.8829

35.6492, 39.6389,
15.6724

■ 36.9686, 40.8651,
20.4672

■ 38.4987, 42.1877,
26.3337

■ 40.2509, 43.6114,
33.3325

■ 42.2360, 45.1404,
41.5198

Harmonies

Analogous

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



42.3034, 34.7414, 6.6124



31.6895, 34.7414, 5.0355



23.3038, 34.7414, 7.8958

Triad

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



31.6895, 34.7414, 5.0355



19.3818, 34.7414, 78.2555



53.7515, 34.7414, 67.8827

Complementary

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



31.6895, 34.7414, 5.0355



8.7501, 3.9905, 44.5645

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.



45.1208, 34.7414, 105.3201



31.6895, 34.7414, 5.0355



25.2061, 34.7414, 113.1555

Square

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



31.6895, 34.7414, 5.0355



17.1767, 34.7414, 41.8253



34.3886, 34.7414, 124.9810



56.4572, 34.7414, 34.0929

Rectangle

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



31.6895, 34.7414, 5.0355



19.6612, 34.7414, 13.6252



34.3886, 34.7414, 124.9810



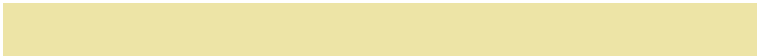
51.3711, 34.7414, 80.9197

Sweetspot

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



31.6903, 34.7431, 5.0362



69.6462, 76.3591, 47.1468



19.4591, 10.0123, 1.7863



15.1164, 16.6387, 9.3814



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.



31.6903, 34.7431, 5.0362



57.3332, 62.7464, 9.0895



23.8337, 37.1187, 5.9088



9.6508, 10.3045, 9.5872



22.4130, 24.6023, 3.5674



0.8174, 0.9219, 0.1349

Inverse Universe

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



8.7501, 3.9905, 44.5645



15.7713, 7.0499, 80.7652



10.7406, 4.5618, 44.5699



8.6101, 8.8975, 11.3430



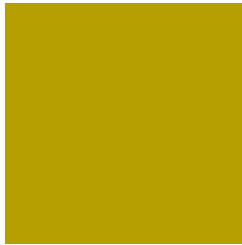
6.2068, 2.8733, 31.4805



0.2487, 0.1610, 1.1197

Previews

White Background



This preview shows how the XYZ color 31.6895, 34.7414, 5.0355 looks on a white background.

Color Contrast Check

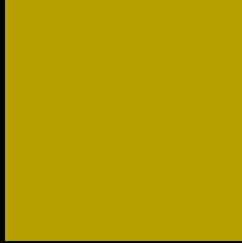
Large Text (above 18pt) WCAG AA × Fail

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 31.6895, 34.7414, 5.0355 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 31.6895, 34.7414, 5.0355

Background



This preview shows how black text looks on a background with the XYZ color 31.6895, 34.7414, 5.0355.

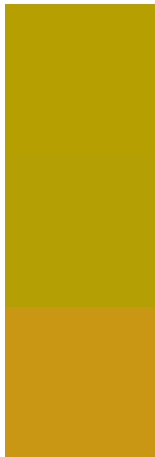


This preview shows how white text looks on a background with the XYZ color 31.6895, 34.7414,

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

31.6895, 34.7414, 5.0355

Protanopia

31.4151, 34.8537, 5.1865

Deuteranopia

35.2715, 34.5977, 5.4351



Tritanopia

38.3338, 34.7594, 37.4897

Trichromacy



Original Color

31.6895, 34.7414, 5.0355

Protanomaly

31.6433, 34.9719, 5.1686

Deuteranomaly

33.8701, 34.6071, 5.2425

Tritanomaly

34.3162, 34.0874, 17.0828

Monochromacy



Original Color

31.6895, 34.7414, 5.0355

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.7458, 30.7382, 15.0604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6895, 34.7414, 5.0355 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, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 159, 0)  
}
```

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, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.6895, 34.7414, 5.0355 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, 159, 0) }
```


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

```
.border{ border-color:rgb(182, 159, 0) }
```

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

Here you see how a box with a 4 pixel rgb(182, 159, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6895, 34.7414, 5.0355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 159, 0) }
```

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

```
.background{ background-color: rgb(182,  
159, 0) }
```

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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