

Converting Colors

XYZ(31.4542, 34.6200, 5.0245)

Have a look what the booklet for
XYZ(31.4542, 34.6200, 5.0245)
contains.

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Color

**XYZ(31.4542, 34.6200,
5.0245)**

Conversions

Conversions Part 1

Format	Color
Hex	B59F00
RGB	181, 159, 0
RGB Percent	71%, 62%, 0%
CMY	0.2902, 0.3765, 0.9999
CMYK	0.00, 0.12, 1.00, 0.29
HSL	53°, 100%, 35%
HSV	53°, 100%, 71%
XYZ	31.4542, 34.6200, 5.0245
YIQ	147.4520, 64.1510, -44.7850

Conversions

Conversions Part 2

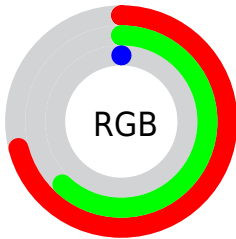
Format	Color
R _Y B	25, 181, 0
Decimal	11902720
CIE Lab	65.45, -5.24, 68.70
CIE LCh	65, 68.897, 94.361
Yxy	34.6200, 0.4424, 0.4869
Android (android.graphics.Color)	4290092800 (0xFFB59F00)
YUV	147.4520, -72.6938, 29.4216
Hunter-Lab	58.8388, -7.5448, 36.1241

Details

The XYZ color **31.4542, 34.6200, 5.0245** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.6277, 3.9104, 44.0158**, and the grayscale version is **28.1956, 29.6640, 32.3040**.

A 20% lighter version of the original color is **61.3399, 66.7973, 16.3168**, and **13.5309, 14.9361, 2.1698** is the 20% darker color. If you saturate the color by 10%, you get **31.4546, 34.6211, 5.0247**, and if you desaturate by 10%, it is **31.9467, 35.4290, 5.7319**.

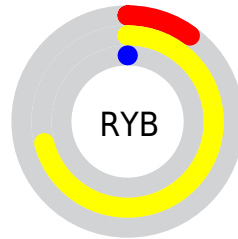
Distribution



Red (71%)

Green (62%)

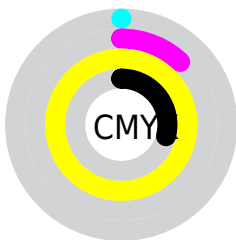
Blue (0%)



Red (10%)

Yellow (71%)

Blue (0%)

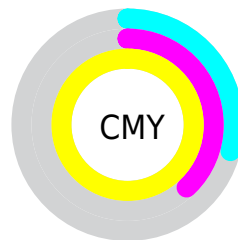


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4542, 34.6200, 5.0245 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 31.4542, 34.6200, 5.0245 by changing the saturation by 10% instead.

31.4542, 34.6200,
5.0245

31.4542, 34.6200,
5.0245

300.4150,
322.8878, 159.0104

21.0985, 23.3703,
2.2027

61.3254, 66.8967,
16.3110

13.3089, 14.8672,
0.6759

81.5717, 88.6924,
25.6128

7.7200, 8.7262,
0.0000

105.8455,
114.7723, 37.9116

3.9666, 4.5630,
0.0000

134.5122,
145.5208, 53.6260

1.6833, 1.9932,
0.0000

167.9371,
181.3222, 73.1746

0.4458, 0.6035,
0.0000

206.4857,

0.0000, 0.0000,

222.5609, 96.9758

0.0000

250.5232,
269.6213, 125.4482

31.4542, 34.6200,
5.0245

31.4542, 34.6200,
5.0245

31.4546, 34.6211,
5.0247

31.9467, 35.4290,
5.7319

32.5467, 36.2905,
6.9756

33.2935, 37.2216,
8.9585

34.2055, 38.2297,
11.7781

35.2986, 39.3212,
15.5172

■ 36.5866, 40.5017,
20.2484

■ 38.0819, 41.7763,
26.0374

■ 39.7960, 43.1495,
32.9438

■ 41.7394, 44.6256,
41.0233

Harmonies

Analogous

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



42.0195, 34.6200, 6.5389



31.4542, 34.6200, 5.0245



23.1380, 34.6200, 7.9407

Triad

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



31.4542, 34.6200, 5.0245



19.3644, 34.6200, 78.4788



53.6418, 34.6200, 67.1585

Complementary

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



31.4542, 34.6200, 5.0245



8.6277, 3.9104, 44.0158

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.



45.0945, 34.6200, 104.5459



31.4542, 34.6200, 5.0245



25.2146, 34.6200, 113.0961

Square

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



31.4542, 34.6200, 5.0245



17.1224, 34.6200, 42.0730



34.4003, 34.6200, 124.4882



56.2473, 34.6200, 33.6323

Rectangle

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



31.4542, 34.6200, 5.0245



19.5390, 34.6200, 13.7288



34.4003, 34.6200, 124.4882



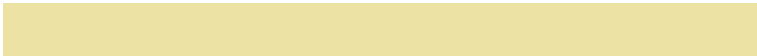
51.2932, 34.6200, 80.1440

Sweetspot

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



31.4550, 34.6217, 5.0252



68.0589, 74.7007, 46.0578



19.2225, 9.8905, 1.7680



14.4617, 15.9372, 8.9835



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.4550, 34.6217, 5.0252



56.2220, 61.7800, 8.9615



23.5466, 36.6679, 5.8370



9.1072, 9.7269, 9.0500



21.7182, 23.9351, 3.4753



0.7080, 0.8024, 0.1176

Inverse Universe

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



8.6277, 3.9104, 44.0158



15.3651, 6.8300, 78.8031



10.6127, 4.5078, 44.0265



8.1224, 8.3911, 10.6979



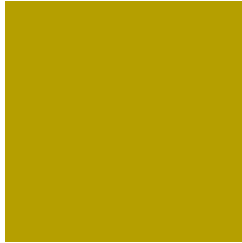
5.9758, 2.7520, 30.3532



0.2145, 0.1396, 0.9639

Previews

White Background



This preview shows how the XYZ color 31.4542, 34.6200, 5.0245 looks on a white background.

Color Contrast Check

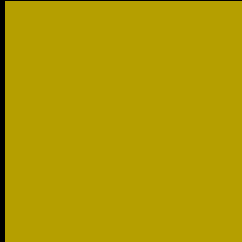
Large Text (above 18pt) WCAG AA × Fail

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 31.4542, 34.6200, 5.0245 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 31.4542, 34.6200, 5.0245

Background



This preview shows how black text looks on a background with the XYZ color 31.4542, 34.6200, 5.0245.

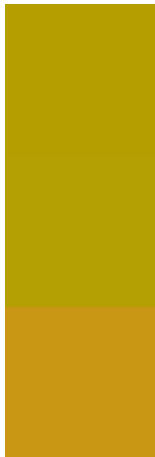


This preview shows how white text looks on a background with the XYZ color 31.4542, 34.6200,

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

31.4542, 34.6200, 5.0245

Protanopia

31.4096, 34.8515, 5.1577

Deuteranopia

35.2715, 34.5977, 5.4351



Tritanopia

38.0831, 34.6302, 37.4780

Trichromacy



Original Color

31.4542, 34.6200, 5.0245

Protanomaly

31.4042, 34.8493, 5.1288

Deuteranomaly

33.8701, 34.6071, 5.2425

Tritanomaly

34.0707, 33.9609, 17.0713

Monochromacy



Original Color

31.4542, 34.6200, 5.0245

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.3851, 30.3123, 14.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4542, 34.6200, 5.0245 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(181, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.4542, 34.6200, 5.0245 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(181, 159, 0) }
```


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

```
.border{ border-color:rgb(181, 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(181, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4542, 34.6200, 5.0245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 159, 0) }
```

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

```
.background{ background-color: rgb(181,  
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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