

Converting Colors

XYZ(31.9745, 31.5760, 34.6589)

Have a look what the booklet for
XYZ(31.9745, 31.5760, 34.6589)
contains.

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Color

**XYZ(31.8567, 31.4790,
34.5340)**

Conversions

Conversions Part 1

Format	Color
Hex	A59499
RGB	165, 148, 153
RGB Percent	65%, 58%, 60%
CMY	0.3529, 0.4196, 0.4000
CMYK	0.00, 0.10, 0.07, 0.35
HSL	342°, 9%, 61%
HSV	342°, 10%, 65%
XYZ	31.8567, 31.4790, 34.5340
YIQ	153.6530, 8.5270, 5.1590

Conversions

Conversions Part 2

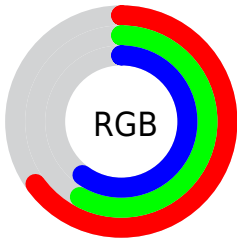
Format	Color
R_{YB}	165, 148, 153
Decimal	10851481
CIE _{Lab}	62.91, 7.19, -0.34
CIE _{LCh}	63, 7.195, 357.280
Yxy	31.4790, 0.3255, 0.3216
Android (android.graphics.Color)	4289041561 (0xFFA59499)
YUV	153.6530, -0.3219, 9.9513
Hunter-Lab	56.1061, 3.1654, 2.7806

Details

The XYZ color **31.8567, 31.4790, 34.5340** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.0142, 35.7450, 38.4716**, and the grayscale version is **30.5626, 32.1542, 35.0159**.

A 20% lighter version of the original color is **61.8982, 61.9617, 67.7289**, and **13.4830, 13.0194, 14.3727** is the 20% darker color. If you saturate the color by 10%, you get **28.5353, 26.3013, 28.9095**, and if you desaturate by 10%, it is **35.6428, 37.4350, 40.7776**.

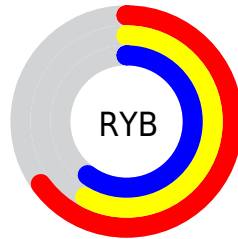
Distribution



Red (65%)

Green (58%)

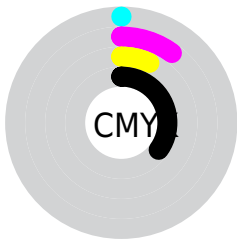
Blue (60%)



Red (65%)

Yellow (58%)

Blue (60%)

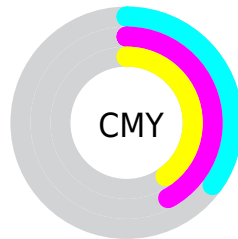


Cyan (0%)

Magenta (10%)

Yellow (7%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8567, 31.4790, 34.5340 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 31.8567, 31.4790, 34.5340 by changing the saturation by 10% instead.

■ 31.8567, 31.4790,
34.5340

■ 31.8567, 31.4790,
34.5340

302.2229,
308.7390, 337.3482

■ 21.4071, 20.9639,
23.0235

■ 61.9531, 61.9934,
67.9066

■ 13.5360, 13.0976,
14.4054

■ 82.3306, 82.7615,
90.6057

■ 7.8782, 7.4958,
8.2612

106.7480,
107.7160, 117.8714

■ 4.0683, 3.7740,
4.1724

135.5709,
137.2414, 150.1223

■ 1.7408, 1.5480,
1.7204

169.1644,
171.7220, 187.7769

■ 0.4816, 0.3221,
0.3746

207.8940,

■ 0.0000, 0.0000,

211.5422, 231.2537

0.0000

252.1251,
257.0864, 280.9713

■ 31.8567, 31.4790,
34.5340

■ 31.8567, 31.4790,
34.5340

■ 28.5353, 26.3013,
28.9095

■ 35.6428, 37.4350,
40.7776

■ 25.6577, 21.8655,
23.8829

■ 39.9080, 44.1952,
47.6568

■ 23.2054, 18.1386,
19.4344

■ 44.6696, 51.7899,
55.1897

■ 21.1574, 15.0836,
15.5426

■ 49.9431, 60.2460,
63.3934

■ 19.4910, 12.6599,
12.1847

■ 55.7433, 69.5896,
72.2841

■ 18.1811, 10.8225,
9.3360

■ 62.0845, 79.8457,
81.8775

■ 17.1995, 9.5206,
6.9697

■ 66.2068, 85.4913,
91.2644

■ 16.5131, 8.6943,
5.0564

■ 67.9415, 86.1851,
100.3988

■ 16.0613, 8.2171,
3.5914

■ 69.3272, 86.7394,
107.6962

Harmonies

Analogous

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



31.5458, 31.4790, 37.2993



31.8567, 31.4790, 34.5340



31.6392, 31.4790, 31.8430

Triad

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



31.8567, 31.4790, 34.5340



29.0580, 31.4790, 29.6661



28.9052, 31.4790, 39.0566

Complementary

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



31.8567, 31.4790, 34.5340



32.0142, 35.7450, 38.4716

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.



28.2639, 31.4790, 36.8284



31.8567, 31.4790, 34.5340



28.3507, 31.4790, 31.4193

Square

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



31.8567, 31.4790, 34.5340



30.0100, 31.4790, 29.1257



28.0631, 31.4790, 34.0179



29.8298, 31.4790, 39.9987

Rectangle

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



31.8567, 31.4790, 34.5340



31.2265, 31.4790, 30.4336



28.0631, 31.4790, 34.0179



28.6502, 31.4790, 38.4273

Sweetspot

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



31.8576, 31.4804, 34.5347



61.8817, 63.9643, 69.8379



31.8597, 31.3611, 39.9718



13.4099, 13.7969, 15.0731



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.8576, 31.4804, 34.5347



55.8492, 54.4929, 59.8308



31.9945, 32.4009, 32.5863



7.1555, 7.1186, 7.8051



12.1700, 6.2241, 2.8199



0.2754, 0.1387, 0.1629

Inverse Universe

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



31.8576, 31.4804, 34.5347



55.8492, 54.4929, 59.8308



31.8553, 34.7134, 40.6191



7.1555, 7.1186, 7.8051



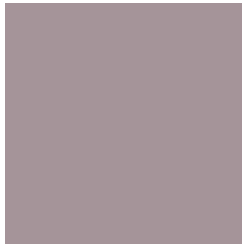
12.1700, 6.2241, 2.8199



0.2754, 0.1387, 0.1629

Previews

White Background



This preview shows how the XYZ color 31.8567, 31.4790, 34.5340 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 31.8567, 31.4790, 34.5340 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

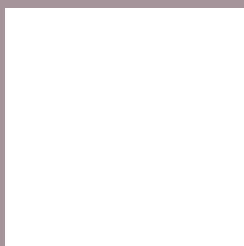
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8567, 31.4790, 34.5340

Background



This preview shows how black text looks on a background with the XYZ color 31.8567, 31.4790, 34.5340.



This preview shows how white text looks on a background with the XYZ color 31.8567, 31.4790,

34.5340.

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

31.8567, 31.4790, 34.5340

Protanopia

30.3094, 31.3698, 35.4678

Deuteranopia

31.9094, 31.2743, 34.4917



Tritanopia

32.4176, 31.4776, 37.1681

Trichromacy



Original Color

31.8567, 31.4790, 34.5340

Protanomaly

30.8396, 31.4149, 35.0101

Deuteranomaly

31.9094, 31.2743, 34.4917

Tritanomaly

32.2454, 31.4087, 36.2613

Monochromacy



Original Color

31.8567, 31.4790, 34.5340

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1615, 32.0587, 35.1174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8567, 31.4790, 34.5340 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(165, 148, 153)` looks like.

```
.text, #text, p{  
    color:rgb(165, 148, 153)  
}
```

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(165, 148, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 148, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.8567, 31.4790, 34.5340 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(165, 148, 153) }
```


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

```
.border{ border-color:rgb(165, 148, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 148, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 148, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 148, 153);  
box-shadow:4px 4px 4px 4px rgb(165, 148,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8567, 31.4790, 34.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 148, 153) }
```

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

```
.background{ background-color: rgb(165,  
148, 153) }
```

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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