

Converting Colors

XYZ(31.2051, 31.1248, 35.3738)

Have a look what the booklet for XYZ(31.2051, 31.1248, 35.3738) contains.

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Color

**XYZ(31.2042, 31.1234,
35.3731)**

Conversions

Conversions Part 1

Format	Color
Hex	A1949B
RGB	161, 148, 155
RGB Percent	63%, 58%, 61%
CMY	0.3686, 0.4196, 0.3922
CMYK	0.00, 0.08, 0.04, 0.37
HSL	328°, 6%, 61%
HSV	328°, 8%, 63%
XYZ	31.2042, 31.1234, 35.3731
YIQ	152.6850, 5.5010, 4.9330

Conversions

Conversions Part 2

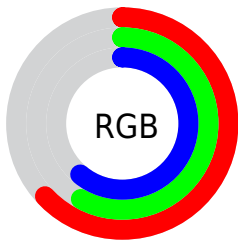
Format	Color
RYB	161, 148, 155
Decimal	10589339
CIELab	62.61, 6.08, -1.95
CIELCh	63, 6.390, 342.217
Yxy	31.1234, 0.3194, 0.3186
Android (android.graphics.Color)	4288779419 (0xFFA1949B)
YUV	152.6850, 1.1413, 7.2923
Hunter-Lab	55.7884, 2.2111, 1.4585

Details

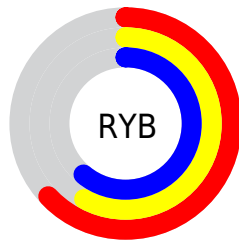
The XYZ color **31.2042, 31.1234, 35.3731** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7915, 34.1195, 35.5363**, and the grayscale version is **30.1356, 31.7050, 34.5268**.

A 20% lighter version of the original color is **60.9481, 61.4434, 68.9691**, and **13.0801, 12.8001, 14.8780** is the 20% darker color. If you saturate the color by 10%, you get **28.2475, 26.1781, 31.4024**, and if you desaturate by 10%, it is **34.5524, 36.7894, 39.6647**.

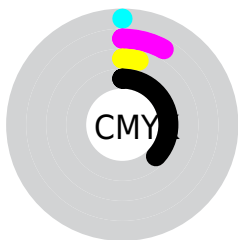
Distribution



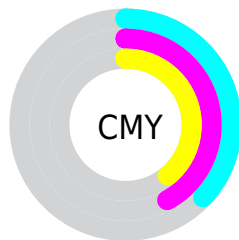
- Red (63%)
- Green (58%)
- Blue (61%)



- Red (63%)
- Yellow (58%)
- Blue (61%)



- Cyan (0%)
- Magenta (8%)
- Yellow (4%)
- Black (37%)



- Cyan (37%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2042, 31.1234, 35.3731 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 31.2042, 31.1234, 35.3731 by changing the saturation by 10% instead.

■ 31.2042, 31.1234,
35.3731

■ 31.2042, 31.1234,
35.3731

299.2881,
307.1064, 341.1663

■ 20.9070, 20.6928,
23.6646

■ 60.9351, 61.4343,
69.2215

■ 13.1681, 12.8997,
14.8751

■ 81.0994, 82.0834,
92.1984

■ 7.6222, 7.3595,
8.5861

105.2836,
106.9075, 119.7685

■ 3.9039, 3.6879,
4.3791

133.8528,
136.2910, 152.3504

■ 1.6479, 1.5006,
1.8355

167.1725,
170.6182, 190.3626

■ 0.4233, 0.2891,
0.4513

205.6081,

■ 0.0000, 0.0000,

210.2736, 234.2236

0.0000

249.5248,
255.6415, 284.3520

■ 31.2042, 31.1234,
35.3731

■ 31.2042, 31.1234,
35.3731

■ 28.2475, 26.1781,
31.4024

■ 34.5524, 36.7894,
39.6647

■ 25.6646, 21.9202,
27.7420

■ 38.3036, 43.1993,
44.2831

■ 23.4401, 18.3200,
24.3839

■ 42.4722, 50.3805,
49.2367

■ 21.5568, 15.3440,
21.3187

■ 47.0713, 58.3578,
54.5331

■ 19.9958, 12.9558,
18.5364

■ 52.1129, 67.1548,
60.1792

■ 18.7363, 11.1149,
16.0262

■ 57.6090, 76.7940,
66.1821

■ 17.7550, 9.7759,
13.7765

■ 61.7239, 83.6035,
71.9328

■ 17.0247, 8.8859,
11.7740

■ 62.6545, 83.9757,
76.8332

■ 16.4978, 8.3509,
9.9988

■ 63.6284, 84.3653,
81.9619

Harmonies

Analogous

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



30.7207, 31.1234, 37.5631



31.2042, 31.1234, 35.3731



31.2478, 31.1234, 32.8840

Triad

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



31.2042, 31.1234, 35.3731



29.2291, 31.1234, 29.4163



28.3597, 31.1234, 37.2117

Complementary

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



31.2042, 31.1234, 35.3731



30.7915, 34.1195, 35.5363

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.



27.9762, 31.1234, 34.9124



31.2042, 31.1234, 35.3731



28.4715, 31.1234, 30.4610

Square

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



31.2042, 31.1234, 35.3731



30.0959, 31.1234, 29.5261



28.0167, 31.1234, 32.4452



29.0737, 31.1234, 38.6599

Rectangle

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



31.2042, 31.1234, 35.3731



31.0204, 31.1234, 31.3966



28.0167, 31.1234, 32.4452



28.1885, 31.1234, 36.5080

Sweetspot

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



31.2051, 31.1248, 35.3738



59.4177, 61.7066, 67.9191



30.3220, 30.6098, 38.0287



13.0472, 13.5604, 14.9161



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.2051, 31.1248, 35.3738



54.7075, 53.7619, 61.7992



30.6858, 30.9170, 32.6393



7.2257, 7.1467, 8.1750



13.1230, 6.6053, 7.8384



0.2993, 0.1482, 0.2888

Inverse Universe

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



31.2051, 31.1248, 35.3738



54.7075, 53.7619, 61.7992



31.3344, 34.3366, 38.3950



7.2257, 7.1467, 8.1750



13.1230, 6.6053, 7.8384



0.2993, 0.1482, 0.2888

Previews

White Background



This preview shows how the XYZ color 31.2042, 31.1234, 35.3731 looks on a white background.

Color Contrast Check

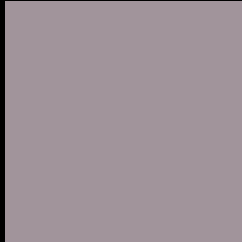
Large Text (above 18pt) WCAG AA × Fail

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 31.2042, 31.1234, 35.3731 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 31.2042, 31.1234, 35.3731

Background



This preview shows how black text looks on a background with the XYZ color 31.2042, 31.1234, 35.3731.



This preview shows how white text looks on a background with the XYZ color 31.2042, 31.1234,

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

31.2042, 31.1234, 35.3731

Protanopia

30.2893, 31.3398, 36.3511

Deuteranopia

31.6600, 31.1265, 35.3497



Tritanopia

31.5920, 31.0520, 37.1294

Trichromacy



Original Color

31.2042, 31.1234, 35.3731

Protanomaly

30.6174, 31.2809, 35.8766

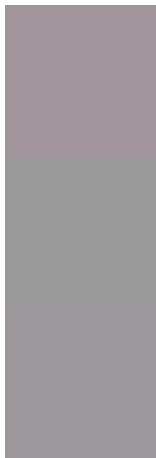
Deuteranomaly

31.4544, 31.0205, 35.3401

Tritanomaly

31.5056, 31.0174, 36.6742

Monochromacy



Original Color

31.2042, 31.1234, 35.3731

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6096, 31.5342, 35.0453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2042, 31.1234, 35.3731 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(161, 148, 155)` looks like.

```
.text, #text, p{  
    color:rgb(161, 148, 155)  
}
```

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(161, 148, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 148, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.2042, 31.1234, 35.3731 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(161, 148, 155) }
```


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

```
.border{ border-color:rgb(161, 148, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 148, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 148, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 148, 155);  
box-shadow:4px 4px 4px 4px rgb(161, 148,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2042, 31.1234, 35.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 148, 155) }
```

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

```
.background{ background-color: rgb(161,  
148, 155) }
```

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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