

Converting Colors

XYZ(31.0540, 31.5869, 32.2498)

Have a look what the booklet for
XYZ(31.0540, 31.5869, 32.2498)
contains.

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Color

**XYZ(31.0731, 31.6007,
32.0656)**

Conversions

Conversions Part 1

Format	Color
Hex	A29693
RGB	162, 150, 147
RGB Percent	64%, 59%, 58%
CMY	0.3647, 0.4117, 0.4235
CMYK	0.00, 0.07, 0.09, 0.36
HSL	12°, 7%, 61%
HSV	12°, 9%, 64%
XYZ	31.0731, 31.6007, 32.0656
YIQ	153.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

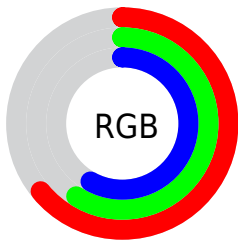
Format	Color
R_{YB}	162, 151, 147
Decimal	10655379
CIE Lab	63.01, 3.88, 3.16
CIE LCh	63, 5.004, 39.215
Yxy	31.6007, 0.3280, 0.3336
Android (android.graphics.Color)	4288845459 (0xFFA29693)
YUV	153.2460, -3.0793, 7.6773
Hunter-Lab	56.2145, 0.2922, 5.5302

Details

The XYZ color **31.0731, 31.6007, 32.0656** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9522, 33.6073, 39.0382**, and the grayscale version is **30.3967, 31.9797, 34.8259**.

A 20% lighter version of the original color is **60.7508, 62.1545, 64.0534**, and **13.0499, 13.1017, 13.1503** is the 20% darker color. If you saturate the color by 10%, you get **27.9361, 27.2196, 25.1836**, and if you desaturate by 10%, it is **34.6196, 36.5135, 39.9681**.

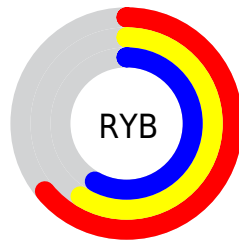
Distribution



Red (64%)

Green (59%)

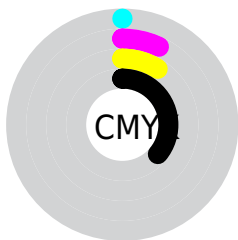
Blue (58%)



Red (64%)

Yellow (59%)

Blue (58%)

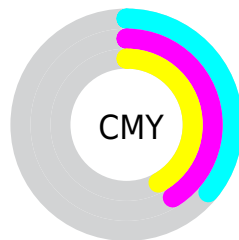


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (36%)



Cyan (36%)

Magenta (41%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0731, 31.6007, 32.0656 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 31.0731, 31.6007, 32.0656 by changing the saturation by 10% instead.

■ 31.0731, 31.6007,
32.0656

■ 31.0731, 31.6007,
32.0656

298.6958,
309.2963, 325.9199

■ 20.8066, 21.0567,
21.1464

■ 60.7302, 62.1846,
64.0130

■ 13.0944, 13.1654,
13.0388

■ 80.8515, 82.9933,
85.8783

■ 7.5710, 7.5426,
7.3242

104.9885,
107.9923, 112.2293

■ 3.8712, 3.8037,
3.5842

133.5065,
137.5660, 143.4847

■ 1.6295, 1.5644,
1.4001

166.7709,
172.0989, 180.0629

■ 0.4115, 0.3334,
0.1418

205.1470,

■ 0.0000, 0.0000,

211.9753, 222.3824

0.0000

249.0002,
257.5796, 270.8619

■ 31.0731, 31.6007,
32.0656

■ 31.0731, 31.6007,
32.0656

■ 27.9361, 27.2196,
25.1836

■ 34.6196, 36.5135,
39.9681

■ 25.1910, 23.3482,
19.2785

■ 38.5869, 41.9707,
48.9283

■ 22.8231, 19.9690,
14.3063

■ 42.9894, 47.9899,
58.9842

■ 20.8154, 17.0623,
10.2191

■ 47.8399, 54.5866,
70.1709

■ 19.1497, 14.6066,
6.9644

■ 53.1506, 61.7757,
82.5224

■ 17.8063, 12.5790,
4.4846

■ 58.9333, 69.5716,
96.0710

■ 16.7632, 10.9543,
2.7142

■ 64.3173, 77.6352,
106.2029

■ 15.9955, 9.7047,
1.5770

■ 68.2837, 85.5680,
107.5251

■ 15.4619, 8.7938,
0.9169

■ 68.7104, 86.4214,
107.6673

Harmonies

Analogous

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



31.3615, 31.6007, 33.8041



31.0731, 31.6007, 32.0656



30.5078, 31.6007, 30.9829

Triad

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



31.0731, 31.6007, 32.0656



28.8146, 31.6007, 33.0796



30.2481, 31.6007, 38.2883

Complementary

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



31.0731, 31.6007, 32.0656



30.9522, 33.6073, 39.0382

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.



29.5681, 31.6007, 38.0762



31.0731, 31.6007, 32.0656



28.7474, 31.6007, 35.0186

Square

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



31.0731, 31.6007, 32.0656



29.2062, 31.6007, 31.5526



29.0213, 31.6007, 36.8613



30.8804, 31.6007, 37.4302

Rectangle

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



31.0731, 31.6007, 32.0656



30.0537, 31.6007, 30.7537



29.0213, 31.6007, 36.8613



30.0174, 31.6007, 38.3404

Sweetspot

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



31.0740, 31.6021, 32.0663



60.3155, 62.7858, 66.8879



31.5924, 31.0525, 37.1298



13.4319, 13.9426, 14.7669



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.



31.0740, 31.6021, 32.0663



55.2440, 55.7449, 55.6337



32.3088, 34.0718, 32.4779



7.1833, 7.3050, 7.4115



12.1807, 6.9352, 0.6966



0.2854, 0.2047, 0.0245

Inverse Universe

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



30.9522, 33.6073, 39.0382



54.9796, 60.0943, 70.7577



29.7019, 31.1066, 38.6214



7.1551, 7.7692, 9.0256



11.4121, 14.6036, 29.1471



0.2687, 0.3647, 0.6221

Previews

White Background



This preview shows how the XYZ color 31.0731, 31.6007, 32.0656 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 31.0731, 31.6007, 32.0656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

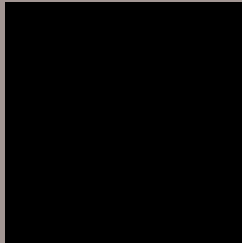
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0731, 31.6007, 32.0656

Background



This preview shows how black text looks on a background with the XYZ color 31.0731, 31.6007, 32.0656.



This preview shows how white text looks on a background with the XYZ color 31.0731, 31.6007,

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

31.0731, 31.6007, 32.0656

Protanopia

30.2838, 31.6625, 32.5323

Deuteranopia

32.1412, 31.4406, 32.3916



Tritanopia

32.2449, 31.6104, 37.6596

Trichromacy



Original Color

31.0731, 31.6007, 32.0656

Protanomaly

30.5125, 31.5404, 32.4967

Deuteranomaly

31.6611, 31.4249, 32.4139

Tritanomaly

31.7681, 31.6480, 35.4447

Monochromacy



Original Color

31.0731, 31.6007, 32.0656

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.5245, 31.7588, 33.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0731, 31.6007, 32.0656 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(162, 150, 147)` looks like.

```
.text, #text, p{  
    color:rgb(162, 150, 147)  
}
```

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(162, 150, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 150, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.0731, 31.6007, 32.0656 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(162, 150, 147) }
```


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

```
.border{ border-color:rgb(162, 150, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 150, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 150, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 150, 147);  
box-shadow:4px 4px 4px 4px rgb(162, 150,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0731, 31.6007, 32.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 150, 147) }
```

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

```
.background{ background-color: rgb(162,  
150, 147) }
```

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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