

Converting Colors

XYZ(30.8616, 31.8827, 31.1480)

Have a look what the booklet for
XYZ(30.8616, 31.8827, 31.1480)
contains.

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Color

**XYZ(31.0370, 32.0779,
31.3439)**

Conversions

Conversions Part 1

Format	Color
Hex	A19891
RGB	161, 152, 145
RGB Percent	63%, 60%, 57%
CMY	0.3686, 0.4039, 0.4314
CMYK	0.00, 0.06, 0.10, 0.37
HSL	26°, 8%, 60%
HSV	26°, 10%, 63%
XYZ	31.0370, 32.0779, 31.3439
YIQ	153.8930, 7.6110, -0.2690

Conversions

Conversions Part 2

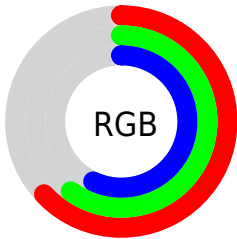
Format	Color
RYB	161, 157, 145
Decimal	10590353
CIELab	63.41, 2.04, 4.85
CIELCh	63, 5.263, 67.215
Yxy	32.0779, 0.3286, 0.3396
Android (android.graphics.Color)	4288780433 (0xFFA19891)
YUV	153.8930, -4.3842, 6.2328
Hunter-Lab	56.6374, -1.2982, 6.8342

Details

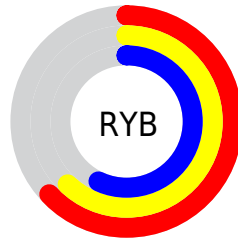
The XYZ color **31.0370, 32.0779, 31.3439** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.6655, 31.7035, 38.2743**, and the grayscale version is **30.6853, 32.2833, 35.1565**.

A 20% lighter version of the original color is **60.6990, 62.8651, 62.9678**, and **13.0259, 13.3848, 12.7235** is the 20% darker color. If you saturate the color by 10%, you get **28.4691, 28.7897, 24.7909**, and if you desaturate by 10%, it is **33.8949, 35.6636, 38.8623**.

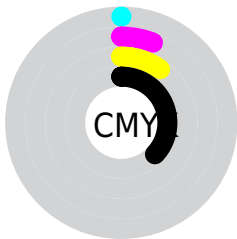
Distribution



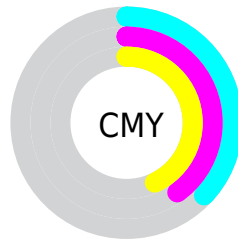
- Red (63%)
- Green (60%)
- Blue (57%)



- Red (63%)
- Yellow (62%)
- Blue (57%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (37%)



- Cyan (37%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0370, 32.0779, 31.3439 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 31.0370, 32.0779, 31.3439 by changing the saturation by 10% instead.

■ 31.0370, 32.0779,
31.3439

■ 31.0370, 32.0779,
31.3439

298.5326,
311.4740, 322.5197

■ 20.7790, 21.4210,
20.6002

■ 60.6738, 62.9332,
62.8670

■ 13.0741, 13.4321,
12.6437

■ 80.7832, 83.9004,
84.4835

■ 7.5569, 7.7268,
7.0558

104.9072,
109.0731, 110.5613

■ 3.8622, 3.9206,
3.4181

133.4111,
138.8358, 141.5191

■ 1.6245, 1.6293,
1.3119

166.6602,
173.5728, 177.7752

■ 0.4083, 0.3772,
0.0715

205.0199,

■ 0.0000, 0.0000,

213.6686, 219.7484

0.0000

248.8556,
259.5075, 267.8570

■ 31.0370, 32.0779,
31.3439

■ 31.0370, 32.0779,
31.3439

■ 28.4691, 28.7897,
24.7909

■ 33.8949, 35.6636,
38.8623

■ 26.1785, 25.7869,
19.1617

■ 37.0493, 39.5503,
47.3815

■ 24.1558, 23.0627,
14.4147

■ 40.5102, 43.7465,
56.9373

■ 22.3898, 20.6081,
10.5040

■ 44.2859, 48.2594,
67.5634

■ 20.8683, 18.4141,
7.3799

■ 48.3846, 53.0957,
79.2917

■ 19.5782, 16.4706,
4.9871

■ 52.8142, 58.2620,
92.1530

■ 18.5048, 14.7669,
3.2630

■ 57.1442, 63.5894,
103.8699

■ 17.6311, 13.2911,
2.1343

■ 59.5190, 68.3390,
104.6615

■ 16.9219, 12.0239,
1.4319

■ 62.0234, 73.3479,
105.4963

Harmonies

Analogous

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



31.6229, 32.0779, 32.5475



31.0370, 32.0779, 31.3439



30.3128, 32.0779, 31.0819

Triad

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



31.0370, 32.0779, 31.3439



29.1150, 32.0779, 35.4357



31.3476, 32.0779, 38.2342

Complementary

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



31.0370, 32.0779, 31.3439



29.6655, 31.7035, 38.2743

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.



30.6661, 32.0779, 39.0777



31.0370, 32.0779, 31.3439



29.3827, 32.0779, 37.4205

Square

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



31.0370, 32.0779, 31.3439



29.2107, 32.0779, 33.3906



29.9477, 32.0779, 38.7741



31.8042, 32.0779, 36.5106

Rectangle

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



31.0370, 32.0779, 31.3439



29.8504, 32.0779, 31.4665



29.9477, 32.0779, 38.7741



31.1368, 32.0779, 38.6332

Sweetspot

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



31.0379, 32.0793, 31.3446



59.0503, 61.8106, 65.2102



30.6620, 30.1636, 34.8074



12.8620, 13.4451, 14.0675



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.



31.0379, 32.0793, 31.3446



54.4884, 56.0570, 53.3000



32.3683, 34.7402, 31.7881



7.3169, 7.5722, 7.4560



13.5509, 9.6757, 1.1534



0.3315, 0.2968, 0.0398

Inverse Universe

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



29.6655, 31.7035, 38.2743



51.5110, 55.2415, 68.3343



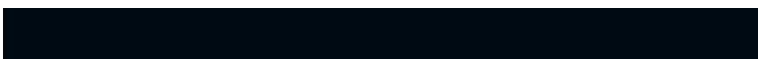
28.3997, 29.1718, 37.8524



7.0153, 7.4896, 8.9790



8.1348, 8.0491, 28.0547



0.2169, 0.2611, 0.6048

Previews

White Background



This preview shows how the XYZ color 31.0370, 32.0779, 31.3439 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 31.0370, 32.0779, 31.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

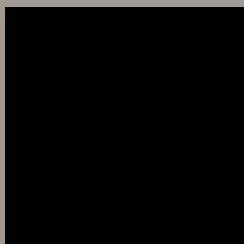
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

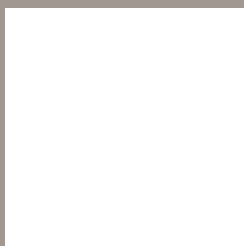
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0370, 32.0779, 31.3439

Background



This preview shows how black text looks on a background with the XYZ color 31.0370, 32.0779, 31.3439.



This preview shows how white text looks on a background with the XYZ color 31.0370, 32.0779,

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

31.0370, 32.0779, 31.3439

Protanopia

30.6026, 32.0959, 31.3703

Deuteranopia

32.5728, 31.9131, 31.6372



Tritanopia

32.4436, 32.1724, 38.2181

Trichromacy



Original Color

31.0370, 32.0779, 31.3439

Protanomaly

30.8001, 32.1977, 31.3795

Deuteranomaly

31.8721, 31.7857, 31.6495

Tritanomaly

31.8833, 32.1812, 35.5415

Monochromacy



Original Color

31.0370, 32.0779, 31.3439

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8818, 32.1849, 33.8628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0370, 32.0779, 31.3439 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, 152, 145)` looks like.

```
.text, #text, p{  
    color:rgb(161, 152, 145)  
}
```

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, 152, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 152, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.0370, 32.0779, 31.3439 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, 152, 145) }
```


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

```
.border{ border-color:rgb(161, 152, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 152, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 152, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 152, 145);  
box-shadow:4px 4px 4px 4px rgb(161, 152,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0370, 32.0779, 31.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 152, 145) }
```

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

```
.background{ background-color: rgb(161,  
152, 145) }
```

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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