

Converting Colors

XYZ(31.2319, 31.7610, 34.9009)

Have a look what the booklet for
XYZ(31.2319, 31.7610, 34.9009)
contains.

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Color

**XYZ(31.3965, 31.9399,
35.0821)**

Conversions

Conversions Part 1

Format	Color
Hex	A0979A
RGB	160, 151, 154
RGB Percent	63%, 59%, 60%
CMY	0.3725, 0.4078, 0.3961
CMYK	0.00, 0.06, 0.04, 0.37
HSL	340°, 5%, 61%
HSV	340°, 6%, 63%
XYZ	31.3965, 31.9399, 35.0821
YIQ	154.0330, 4.4010, 2.8410

Conversions

Conversions Part 2

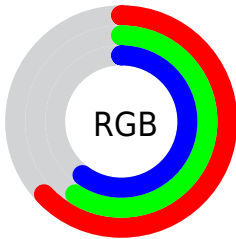
Format	Color
RYB	160, 151, 154
Decimal	10524570
CIELab	63.29, 3.85, -0.40
CIELCh	63, 3.875, 354.097
Yxy	31.9399, 0.3190, 0.3245
Android (android.graphics.Color)	4288714650 (0xFFA0979A)
YUV	154.0330, -0.0163, 5.2331
Hunter-Lab	56.5154, 0.2617, 2.7563

Details

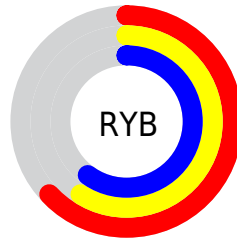
The XYZ color **31.3965, 31.9399, 35.0821** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4203, 34.1560, 36.8366**, and the grayscale version is **30.7291, 32.3294, 35.2067**.

A 20% lighter version of the original color is **61.2408, 62.6638, 68.5421**, and **13.3120, 13.3448, 14.7062** is the 20% darker color. If you saturate the color by 10%, you get **28.1449, 26.7959, 29.8071**, and if you desaturate by 10%, it is **35.0784, 37.8172, 40.8911**.

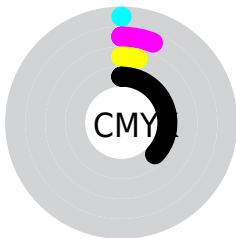
Distribution



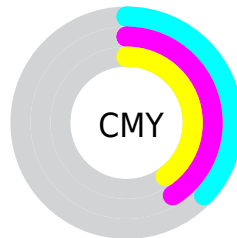
- Red (63%)
- Green (59%)
- Blue (60%)



- Red (63%)
- Yellow (59%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (4%)
- Black (37%)



- Cyan (37%)
- Magenta (41%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3965, 31.9399, 35.0821 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 31.3965, 31.9399, 35.0821 by changing the saturation by 10% instead.

■ 31.3965, 31.9399,
35.0821

■ 31.3965, 31.9399,
35.0821

300.1552,
310.8454, 339.8458

■ 21.0543, 21.3156,
23.4421

■ 61.2354, 62.7169,
68.7659

■ 13.2764, 13.3549,
14.7119

■ 81.4628, 83.6383,
91.6468

■ 7.6974, 7.6734,
8.4731

105.7159,
108.7609, 119.1118

■ 3.9521, 3.8867,
4.3070

134.3601,
138.4691, 151.5793

■ 1.6751, 1.6104,
1.7952

167.7608,
173.1473, 189.4679

■ 0.4406, 0.3646,
0.4248

206.2833,

■ 0.0000, 0.0000,

213.1797, 233.1962

0.0000

250.2930,
258.9510, 283.1826

■ 31.3965, 31.9399,
35.0821

■ 31.3965, 31.9399,
35.0821

■ 28.1449, 26.7959,
29.8071

■ 35.0784, 37.8172,
40.8911

■ 25.3049, 22.3523,
25.0485

■ 39.2031, 44.4509,
47.2468

■ 22.8603, 18.5798,
20.7910

■ 43.7858, 51.8681,
54.1641

■ 20.7928, 15.4454,
17.0173

■ 48.8403, 60.0933,
61.6567

■ 19.0827, 12.9134,
13.7094

■ 54.3798, 69.1501,
69.7376

■ 17.7084, 10.9442,
10.8479

■ 60.4170, 79.0609,
78.4196

■ 16.6456, 9.4940,
8.4120

■ 64.3570, 84.6335,
86.8461

■ 15.8669, 8.5118,
6.3788

■ 65.8906, 85.2470,
94.9221

■ 15.3364, 7.9309,
4.7218

■ 67.5174, 85.8977,
103.4886

Harmonies

Analogous

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



31.2019, 31.9399, 36.5400



31.3965, 31.9399, 35.0821



31.3102, 31.9399, 33.5838

Triad

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



31.3965, 31.9399, 35.0821



29.9383, 31.9399, 32.1472



29.7565, 31.9399, 37.2276

Complementary

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



31.3965, 31.9399, 35.0821



31.4203, 34.1560, 36.8366

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.



29.4252, 31.9399, 35.9984



31.3965, 31.9399, 35.0821



29.5293, 31.9399, 33.0719

Square

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



31.3965, 31.9399, 35.0821



30.4642, 31.9399, 31.9181



29.3425, 31.9399, 34.4739



30.2519, 31.9399, 37.8019

Rectangle

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



31.3965, 31.9399, 35.0821



31.1054, 31.9399, 32.7599



29.3425, 31.9399, 34.4739



29.6225, 31.9399, 36.8755

Sweetspot

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



31.3974, 31.9413, 35.0828



59.3129, 61.6647, 67.3673



31.3174, 31.8409, 37.7533



13.0256, 13.5517, 14.8022



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.



31.3974, 31.9413, 35.0828



56.0660, 56.4992, 62.1899



31.3937, 32.3284, 33.8652



6.8575, 6.8993, 7.5969



11.8178, 6.0317, 3.2915



0.2298, 0.1153, 0.1565

Inverse Universe

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



31.3974, 31.9413, 35.0828



56.0660, 56.4992, 62.1899



31.4210, 33.7428, 38.1149



6.8575, 6.8993, 7.5969



11.8178, 6.0317, 3.2915



0.2298, 0.1153, 0.1565

Previews

White Background



This preview shows how the XYZ color 31.3965, 31.9399, 35.0821 looks on a white background.

Color Contrast Check

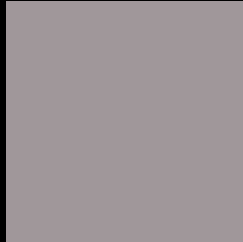
Large Text (above 18pt) WCAG AA × Fail

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 31.3965, 31.9399, 35.0821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

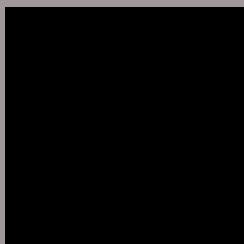
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3965, 31.9399, 35.0821

Background



This preview shows how black text looks on a background with the XYZ color 31.3965, 31.9399, 35.0821.



This preview shows how white text looks on a background with the XYZ color 31.3965, 31.9399,

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

31.3965, 31.9399, 35.0821

Protanopia

30.6622, 31.7916, 35.5307

Deuteranopia

32.4426, 31.7619, 35.4311



Tritanopia

32.1259, 31.9984, 38.6655

Trichromacy



Original Color

31.3965, 31.9399, 35.0821

Protanomaly

31.0493, 31.9911, 35.5488

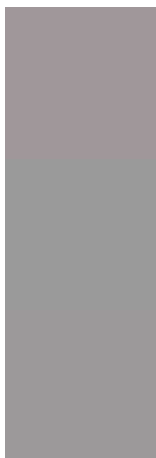
Deuteranomaly

31.9737, 31.7540, 35.4543

Tritanomaly

31.8623, 31.8930, 37.2775

Monochromacy



Original Color

31.3965, 31.9399, 35.0821

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9343, 32.1835, 35.1535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3965, 31.9399, 35.0821 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(160, 151, 154)` looks like.

```
.text, #text, p{  
    color:rgb(160, 151, 154)  
}
```

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(160, 151, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 151, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.3965, 31.9399, 35.0821 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(160, 151, 154) }
```


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

```
.border{ border-color:rgb(160, 151, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 151, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 151, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 151, 154);  
box-shadow:4px 4px 4px 4px rgb(160, 151,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3965, 31.9399, 35.0821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 151, 154) }
```

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

```
.background{ background-color: rgb(160,  
151, 154) }
```

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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