

Converting Colors

XYZ(31.2741, 32.1301, 32.0874)

Have a look what the booklet for
XYZ(31.2741, 32.1301, 32.0874)
contains.

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Color

**XYZ(31.3950, 32.2444,
32.1729)**

Conversions

Conversions Part 1

Format	Color
Hex	A29893
RGB	162, 152, 147
RGB Percent	64%, 60%, 58%
CMY	0.3647, 0.4039, 0.4235
CMYK	0.00, 0.06, 0.09, 0.36
HSL	20°, 7%, 61%
HSV	20°, 9%, 64%
XYZ	31.3950, 32.2444, 32.1729
YIQ	154.4200, 7.5650, 0.5650

Conversions

Conversions Part 2

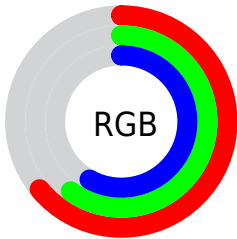
Format	Color
RYB	162, 155, 147
Decimal	10655891
CIELab	63.54, 2.77, 3.93
CIELCh	64, 4.809, 54.894
Yxy	32.2444, 0.3277, 0.3365
Android (android.graphics.Color)	4288845971 (0xFFA29893)
YUV	154.4200, -3.6581, 6.6477
Hunter-Lab	56.7842, -0.6826, 6.1562

Details

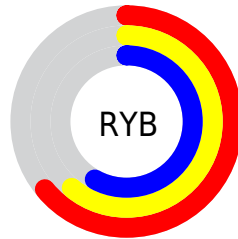
The XYZ color **31.3950, 32.2444, 32.1729** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.6112, 32.9252, 38.9247**, and the grayscale version is **30.9137, 32.5237, 35.4183**.

A 20% lighter version of the original color is **61.2292, 63.1114, 64.2129**, and **13.1954, 13.4669, 12.9702** is the 20% darker color. If you saturate the color by 10%, you get **28.5391, 28.4255, 25.3846**, and if you desaturate by 10%, it is **34.5913, 36.4568, 39.9587**.

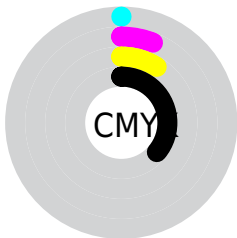
Distribution



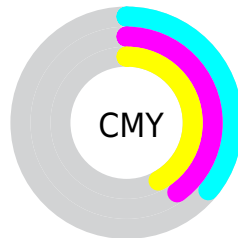
- Red (64%)
- Green (60%)
- Blue (58%)



- Red (64%)
- Yellow (61%)
- Blue (58%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3950, 32.2444, 32.1729 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 31.3950, 32.2444, 32.1729 by changing the saturation by 10% instead.

■ 31.3950, 32.2444,
32.1729

■ 31.3950, 32.2444,
32.1729

300.1485,
312.2311, 326.4231

■ 21.0531, 21.5482,
21.2277

■ 61.2330, 63.1940,
64.1831

■ 13.2755, 13.5253,
13.0977

■ 81.4599, 84.2163,
86.0852

■ 7.6968, 7.7913,
7.3643

105.7125,
109.4494, 112.4766

■ 3.9518, 3.9617,
3.6091

134.3561,
139.2777, 143.7759

■ 1.6749, 1.6522,
1.4134

167.7562,
174.0856, 180.4017

■ 0.4405, 0.3924,
0.1522

206.2780,

■ 0.0000, 0.0000,

214.2576, 222.7724

0.0000

250.2870,
260.1779, 271.3067

■ 31.3950, 32.2444,
32.1729

■ 31.3950, 32.2444,
32.1729

■ 28.5391, 28.4255,
25.3846

■ 34.5913, 36.4568,
39.9587

■ 26.0093, 24.9845,
19.5512

■ 38.1364, 41.0695,
48.7782

■ 23.7940, 21.9108,
14.6299

■ 42.0417, 46.0943,
58.6683

■ 21.8801, 19.1916,
10.5739

■ 46.3174, 51.5414,
69.6635

■ 20.2532, 16.8136,
7.3323

■ 50.9731, 57.4206,
81.7967

■ 18.8980, 14.7623,
4.8485

■ 56.0182, 63.7412,
95.0995

■ 17.7972, 13.0221,
3.0588

■ 60.5796, 70.1596,
104.9570

■ 16.9313, 11.5761,
1.8889

■ 63.6361, 76.2727,
105.9759

■ 16.2652, 10.4003,
1.1847

■ 66.8813, 82.7631,
107.0576

Harmonies

Analogous

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



31.8321, 32.2444, 33.5767



31.3950, 32.2444, 32.1729



30.7622, 32.2444, 31.5568

Triad

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



31.3950, 32.2444, 32.1729



29.3807, 32.2444, 34.7810



31.1934, 32.2444, 38.5667

Complementary

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



31.3950, 32.2444, 32.1729



30.6112, 32.9252, 38.9247

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.



30.5327, 32.2444, 38.9175



31.3950, 32.2444, 32.1729



29.4923, 32.2444, 36.6865

Square

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



31.3950, 32.2444, 32.1729



29.6043, 32.2444, 33.0271



29.9116, 32.2444, 38.2178



31.7146, 32.2444, 37.2759

Rectangle

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



31.3950, 32.2444, 32.1729



30.3170, 32.2444, 31.6589



29.9116, 32.2444, 38.2178



30.9800, 32.2444, 38.8004

Sweetspot

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



31.3959, 32.2458, 32.1736



60.5206, 63.1959, 66.9562



31.4203, 30.9837, 36.2232



13.4894, 14.0576, 14.7860



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.



31.3959, 32.2458, 32.1736



55.9375, 57.1318, 55.8648



32.6515, 34.7570, 32.5921



7.2578, 7.4540, 7.4363



12.8154, 8.2046, 0.9082



0.3113, 0.2564, 0.0331

Inverse Universe

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



30.6112, 32.9252, 38.9247



54.2351, 58.6053, 70.5096



29.3814, 30.4657, 38.5147



7.0762, 7.6113, 8.9992



9.4009, 10.5813, 28.4767



0.2382, 0.3036, 0.6119

Previews

White Background



This preview shows how the XYZ color 31.3950, 32.2444, 32.1729 looks on a white background.

Color Contrast Check

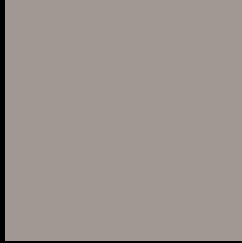
Large Text (above 18pt) WCAG AA × Fail

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 31.3950, 32.2444, 32.1729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

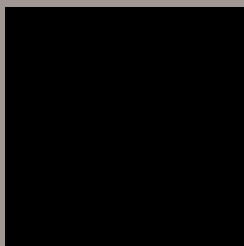
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

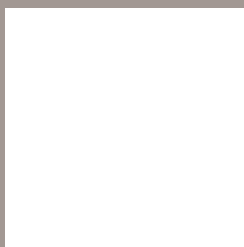
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3950, 32.2444, 32.1729

Background



This preview shows how black text looks on a background with the XYZ color 31.3950, 32.2444, 32.1729.



This preview shows how white text looks on a background with the XYZ color 31.3950, 32.2444,

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

31.3950, 32.2444, 32.1729

Protanopia

30.8371, 32.1897, 32.6049

Deuteranopia

32.8873, 32.2909, 32.5164



Tritanopia

32.7378, 32.3138, 38.6941

Trichromacy



Original Color

31.3950, 32.2444, 32.1729

Protanomaly

31.0346, 32.2915, 32.6142

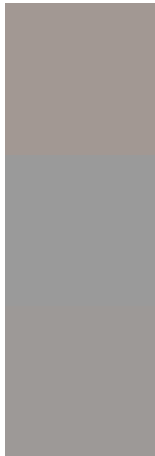
Deuteranomaly

32.4001, 32.2756, 32.5391

Tritanomaly

32.2567, 32.3541, 36.4431

Monochromacy



Original Color

31.3950, 32.2444, 32.1729

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 31.3950, 32.2444, 32.1729 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, 152, 147)` looks like.

```
.text, #text, p{  
    color:rgb(162, 152, 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, 152, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 152, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.3950, 32.2444, 32.1729 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, 152, 147) }
```


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

```
.border{ border-color:rgb(162, 152, 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, 152, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 152, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 152, 147);  
box-shadow:4px 4px 4px 4px rgb(162, 152,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3950, 32.2444, 32.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 152, 147) }
```

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

```
.background{ background-color: rgb(162,  
152, 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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