

Converting Colors

XYZ(32.0333, 32.4006, 33.8442)

Have a look what the booklet for
XYZ(32.0333, 32.4006, 33.8442)
contains.

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Color

**XYZ(31.9624, 32.2601,
33.8204)**

Conversions

Conversions Part 1

Format	Color
Hex	A49797
RGB	164, 151, 151
RGB Percent	64%, 59%, 59%
CMY	0.3569, 0.4078, 0.4078
CMYK	0.00, 0.08, 0.08, 0.36
HSL	0°, 7%, 62%
HSV	0°, 8%, 64%
XYZ	31.9624, 32.2601, 33.8204
YIQ	154.8870, 7.7480, 2.7560

Conversions

Conversions Part 2

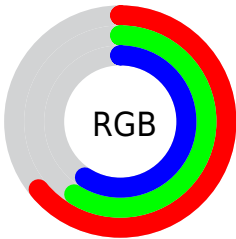
Format	Color
RYB	164, 151, 151
Decimal	10786711
CIELab	63.56, 4.78, 1.72
CIElCh	64, 5.080, 19.798
Yxy	32.2601, 0.3260, 0.3290
Android (android.graphics.Color)	4288976791 (0xFFA49797)
YUV	154.8870, -1.9163, 7.9921
Hunter-Lab	56.7980, 1.0523, 4.4543

Details

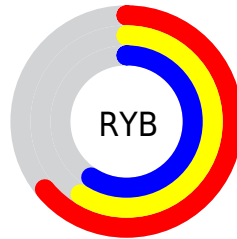
The XYZ color **31.9624, 32.2601, 33.8204** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7388, 35.8101, 40.3090**, and the grayscale version is **31.1123, 32.7326, 35.6458**.

A 20% lighter version of the original color is **62.0642, 63.1305, 66.6719**, and **13.5395, 13.4792, 13.9447** is the 20% darker color. If you saturate the color by 10%, you get **28.2645, 26.8493, 26.4674**, and if you desaturate by 10%, it is **36.2145, 38.4819, 42.2730**.

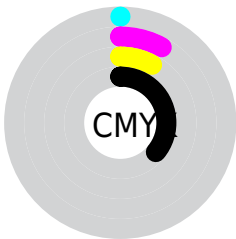
Distribution



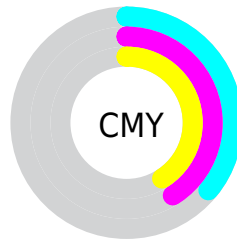
- Red (64%)
- Green (59%)
- Blue (59%)



- Red (64%)
- Yellow (59%)
- Blue (59%)



- Cyan (0%)
- Magenta (8%)
- Yellow (8%)
- Black (36%)



- Cyan (36%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9624, 32.2601, 33.8204 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 31.9624, 32.2601, 33.8204 by changing the saturation by 10% instead.

■ 31.9624, 32.2601,
33.8204

■ 31.9624, 32.2601,
33.8204

302.6963,
312.3024, 334.0752

■ 21.4882, 21.5602,
22.4794

■ 62.1177, 63.2186,
66.7850

■ 13.5958, 13.5341,
14.0079

■ 82.5296, 84.2461,
89.2457

■ 7.9199, 7.7974,
7.9874

106.9846,
109.4849, 116.2500

■ 4.0951, 3.9656,
3.9992

135.8483,
139.3193, 148.2165

■ 1.7561, 1.6543,
1.6249

169.4860,
174.1340, 185.5637

■ 0.4910, 0.3938,
0.3085

208.2630,

■ 0.0000, 0.0000,

214.3131, 228.7102

0.0000

252.5446,
260.2411, 278.0745

■ 31.9624, 32.2601,
33.8204

■ 31.9624, 32.2601,
33.8204

■ 28.2645, 26.8493,
26.4674

■ 36.2145, 38.4819,
42.2730

■ 25.0953, 22.2120,
20.1669

■ 41.0393, 45.5417,
51.8657

■ 22.4316, 18.3143,
14.8714

■ 46.4581, 53.4705,
62.6393

■ 20.2472, 15.1179,
10.5289

■ 52.4900, 62.2964,
74.6321

■ 18.5137, 12.5811,
7.0830

■ 59.1534, 72.0462,
87.8806

■ 17.1996, 10.6581,
4.4709

■ 66.4660, 82.7458,
102.4198

■ 16.2694, 9.2968,
2.6221

■ 69.1201, 86.6326,
107.6865

■ 15.6817, 8.4368,
1.4545

■ 15.3660, 7.9746,
0.8270

Harmonies

Analogous

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



32.0231, 32.2601, 35.8216



31.9624, 32.2601, 33.8204



31.5503, 32.2601, 32.2285

Triad

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



31.9624, 32.2601, 33.8204



29.6332, 32.2601, 32.6663



30.4215, 32.2601, 39.1085

Complementary

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



31.9624, 32.2601, 33.8204



32.7388, 35.8101, 40.3090

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.



29.7910, 32.2601, 38.1917



31.9624, 32.2601, 33.8204



29.3405, 32.2601, 34.4390

Square

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



31.9624, 32.2601, 33.8204



30.2030, 32.2601, 31.5802



29.3979, 32.2601, 36.4643



31.1261, 32.2601, 38.9273

Rectangle

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



31.9624, 32.2601, 33.8204



31.1353, 32.2601, 31.5889



29.3979, 32.2601, 36.4643



30.1941, 32.2601, 38.9172

Sweetspot

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



31.9633, 32.2615, 33.8211



62.4384, 65.0274, 70.1786



33.0778, 32.7066, 39.6921



13.6704, 14.2458, 15.3825



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.



31.9633, 32.2615, 33.8211



56.4135, 56.2115, 58.2001



33.0380, 34.4109, 34.1793



7.0739, 7.0862, 7.3750



11.7392, 6.0523, 0.5495



0.2467, 0.1272, 0.0116

Inverse Universe

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



32.7388, 35.8101, 40.3090



58.1955, 64.3659, 73.1090



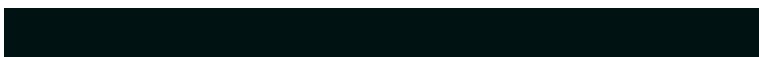
31.6056, 33.5436, 39.9312



7.2760, 8.0110, 9.0659



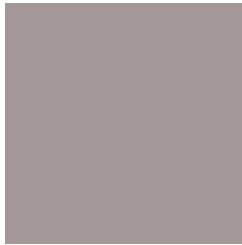
15.3120, 22.4034, 30.4471



0.3218, 0.4708, 0.6398

Previews

White Background



This preview shows how the XYZ color 31.9624, 32.2601, 33.8204 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 31.9624, 32.2601, 33.8204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

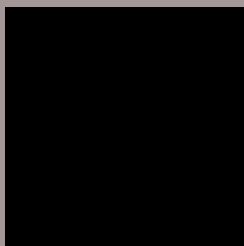
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

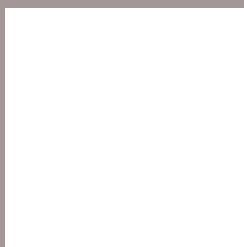
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9624, 32.2601, 33.8204

Background



This preview shows how black text looks on a background with the XYZ color 31.9624, 32.2601, 33.8204.



This preview shows how white text looks on a background with the XYZ color 31.9624, 32.2601,

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

31.9624, 32.2601, 33.8204

Protanopia

30.9634, 32.2176, 34.2924

Deuteranopia

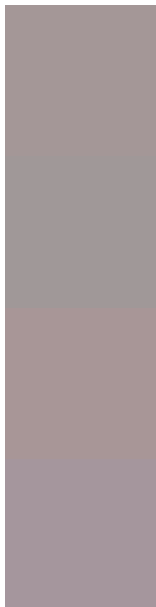
32.9109, 32.2753, 33.7733



Tritanopia

32.6975, 32.0674, 38.1845

Trichromacy



Original Color

31.9624, 32.2601, 33.8204

Protanomaly

31.3929, 32.1971, 34.2658

Deuteranomaly

32.6407, 32.3719, 33.8062

Tritanomaly

32.5092, 32.2463, 36.4090

Monochromacy



Original Color

31.9624, 32.2601, 33.8204

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4889, 32.7134, 35.2265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9624, 32.2601, 33.8204 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(164, 151, 151)` looks like.

```
.text, #text, p{  
    color:rgb(164, 151, 151)  
}
```

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(164, 151, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 151, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.9624, 32.2601, 33.8204 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(164, 151, 151) }
```


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

```
.border{ border-color:rgb(164, 151, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 151, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 151, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 151, 151);  
box-shadow:4px 4px 4px 4px rgb(164, 151,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9624, 32.2601, 33.8204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 151, 151) }
```

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

```
.background{ background-color: rgb(164,  
151, 151) }
```

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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