

Converting Colors

XYZ(31.2814, 32.9438, 35.3828)

Have a look what the booklet for
XYZ(31.2814, 32.9438, 35.3828)
contains.

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Color

**XYZ(31.2644, 32.8437,
35.2635)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9B9A
RGB	156, 155, 154
RGB Percent	61%, 61%, 60%
CMY	0.3882, 0.3921, 0.3961
CMYK	0.00, 0.01, 0.01, 0.39
HSL	30°, 1%, 61%
HSV	30°, 1%, 61%
XYZ	31.2644, 32.8437, 35.2635
YIQ	155.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

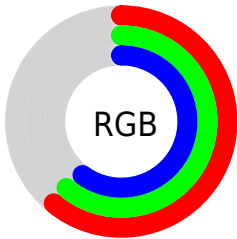
Format	Color
RYB	156, 156, 154
Decimal	10263450
CIELab	64.03, 0.17, 0.64
CIELCh	64, 0.666, 74.804
Yxy	32.8437, 0.3146, 0.3305
Android (android.graphics.Color)	4288453530 (0xFF9C9B9A)
YUV	155.1850, -0.5842, 0.7148
Hunter-Lab	57.3094, -2.9132, 3.6344

Details

The XYZ color **31.2644, 32.8437, 35.2635** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.0486, 32.7127, 36.1307**, and the grayscale version is **31.2406, 32.8676, 35.7928**.

A 20% lighter version of the original color is **60.7640, 63.8566, 68.7975**, and **13.2242, 13.8832, 14.8147** is the 20% darker color. If you saturate the color by 10%, you get **28.7957, 29.8519, 28.4416**, and if you desaturate by 10%, it is **33.9873, 36.0727, 43.0041**.

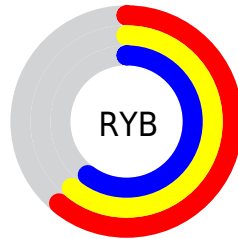
Distribution



Red (61%)

Green (61%)

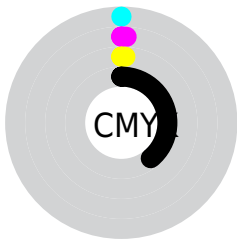
Blue (60%)



Red (61%)

Yellow (61%)

Blue (60%)

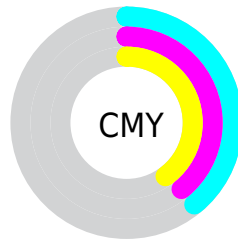


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (39%)



Cyan (39%)

Magenta (39%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2644, 32.8437, 35.2635 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 31.2644, 32.8437, 35.2635 by changing the saturation by 10% instead.

■ 31.2644, 32.8437,
35.2635

■ 31.2644, 32.8437,
35.2635

299.5597,
314.9449, 340.6694

■ 20.9531, 22.0067,
23.5807

■ 61.0291, 64.1314,
69.0500

■ 13.2020, 13.8618,
14.8136

■ 81.2132, 85.3510,
91.9908

■ 7.6457, 8.0246,
8.5435

105.4190,
110.8002, 119.5213

■ 3.9190, 4.1107,
4.3519

134.0117,
140.8635, 152.0602

■ 1.6564, 1.7357,
1.8203

167.3568,
175.9252, 190.0259

■ 0.4287, 0.4466,
0.4413

205.8196,

■ 0.0000, 0.0000,

216.3697, 233.8369

0.0000

249.7655,
262.5815, 283.9119

■ 31.2644, 32.8437,
35.2635

■ 31.2644, 32.8437,
35.2635

■ 28.7957, 29.8519,
28.4416

■ 33.9873, 36.0727,
43.0041

■ 26.5704, 27.0875,
22.5016

■ 36.9692, 39.5402,
51.6940

■ 24.5809, 24.5458,
17.4076

■ 40.2183, 43.2528,
61.3649

■ 22.8183, 22.2206,
13.1203

■ 43.7417, 47.2157,
72.0464

■ 21.2728, 20.1053,
9.5971

■ 47.5460, 51.4337,
83.7669

■ 19.9339, 18.1929,
6.7916

■ 51.6376, 55.9118,
96.5538

■ 18.7903, 16.4758,
4.6523

■ 54.6739, 60.1148,
103.3294

■ 17.8289, 14.9459,
3.1206

■ 56.6350, 64.0370,
103.9831

■ 17.0348, 13.5940,
2.1274

■ 58.6907, 68.1484,
104.6684

Harmonies

Analogous

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



31.3455, 32.8437, 35.3973



31.2644, 32.8437, 35.2635



31.1707, 32.8437, 35.2626

Triad

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



31.2644, 32.8437, 35.2635



31.0424, 32.8437, 35.8938



31.3446, 32.8437, 36.1301

Complementary

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



31.2644, 32.8437, 35.2635



31.0486, 32.7127, 36.1307

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.



31.2632, 32.8437, 36.2645



31.2644, 32.8437, 35.2635



31.0888, 32.8437, 36.1276

Square

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



31.2644, 32.8437, 35.2635



31.0427, 32.8437, 35.6256



31.1696, 32.8437, 36.2636



31.3919, 32.8437, 35.8972

Rectangle

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



31.2644, 32.8437, 35.2635



31.1138, 32.8437, 35.3374



31.1696, 32.8437, 36.2636



31.3203, 32.8437, 36.1884

Sweetspot

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



31.2653, 32.8451, 35.2642



57.3938, 60.3827, 65.7568



31.1828, 32.5462, 35.6494



12.6291, 13.2868, 14.4694



74.8435, 78.7412, 85.7492

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2653, 32.8451, 35.2642



56.4302, 59.2286, 63.0526



31.4320, 33.1785, 35.3198



7.3278, 7.6929, 8.2070



13.5840, 10.4036, 1.2921



0.2852, 0.2706, 0.0372

Inverse Universe

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



31.0486, 32.7127, 36.1307



55.8070, 58.8477, 65.5441



30.8833, 32.3820, 36.0756



7.2544, 7.6480, 8.5006



7.2095, 6.5105, 26.7839



0.1712, 0.2010, 0.4930

Previews

White Background



This preview shows how the XYZ color 31.2644, 32.8437, 35.2635 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 31.2644, 32.8437, 35.2635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

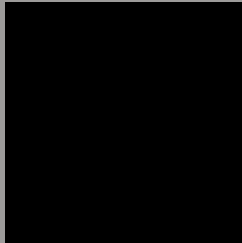
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

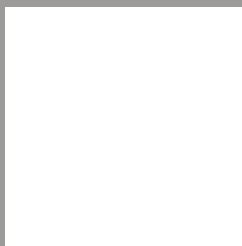
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2644, 32.8437, 35.2635

Background



This preview shows how black text looks on a background with the XYZ color 31.2644, 32.8437, 35.2635.



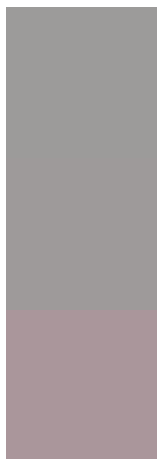
This preview shows how white text looks on a background with the XYZ color 31.2644, 32.8437,

35.2635.

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

31.2644, 32.8437, 35.2635

Protanopia

31.4889, 32.7134, 35.2265

Deuteranopia

33.4003, 32.7253, 35.5666



Tritanopia

32.2833, 32.7682, 40.2207

Trichromacy



Original Color

31.2644, 32.8437, 35.2635

Protanomaly

31.2930, 32.6124, 35.2174

Deuteranomaly

32.6617, 32.8224, 35.6242

Tritanomaly

31.8933, 32.8525, 38.3784

Monochromacy



Original Color

31.2644, 32.8437, 35.2635

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1553, 32.7778, 35.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2644, 32.8437, 35.2635 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(156, 155, 154)` looks like.

```
.text, #text, p{  
    color:rgb(156, 155, 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(156, 155, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 155, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.2644, 32.8437, 35.2635 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(156, 155, 154) }
```

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

```
.border{ border-color:rgb(156, 155, 154) }
```

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

Here you see how a box with a 4 pixel rgb(156, 155, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 155, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 155, 154);  
box-shadow:4px 4px 4px 4px rgb(156, 155,  
154) }
```


Background

The CSS property to change the background color of an element to XYZ 31.2644, 32.8437, 35.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 155, 154) }
```

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

```
.background{ background-color: rgb(156,  
155, 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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