

Converting Colors

XYZ(31.7584, 35.9601, 33.8311)

Have a look what the booklet for
XYZ(31.7584, 35.9601, 33.8311)
contains.

XYZ(31.8235, 36.0217, 33.7094)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.8235, 36.0217,
33.7094)**

Conversions

Conversions Part 1

Format	Color
Hex	97A695
RGB	151, 166, 149
RGB Percent	59%, 65%, 58%
CMY	0.4078, 0.3490, 0.4157
CMYK	0.09, 0.00, 0.10, 0.35
HSL	113°, 9%, 62%
HSV	113°, 10%, 65%
XYZ	31.8235, 36.0217, 33.7094
YIQ	159.5770, -3.4830, -8.4670

Conversions

Conversions Part 2

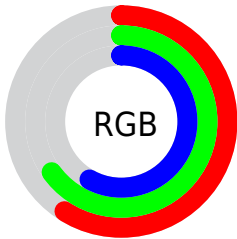
Format	Color
RYB	149, 166, 164
Decimal	9938581
CIELab	66.54, -8.57, 7.01
CIELCh	67, 11.066, 140.722
Yxy	36.0217, 0.3134, 0.3547
Android (android.graphics.Color)	4288128661 (0xFF97A695)
YUV	159.5770, -5.2145, -7.5220
Hunter-Lab	60.0181, -10.3852, 8.7122

Details

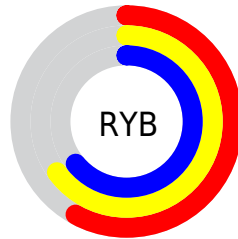
The XYZ color **31.8235, 36.0217, 33.7094** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9418, 32.1417, 40.5461**, and the grayscale version is **33.2442, 34.9755, 38.0883**.

A 20% lighter version of the original color is **61.8128, 69.0038, 66.5611**, and **13.4774, 15.6258, 13.8610** is the 20% darker color. If you saturate the color by 10%, you get **28.0399, 34.2146, 27.1001**, and if you desaturate by 10%, it is **36.1358, 38.0816, 41.3311**.

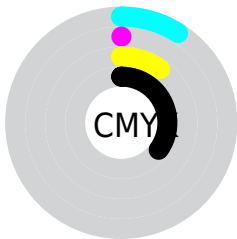
Distribution



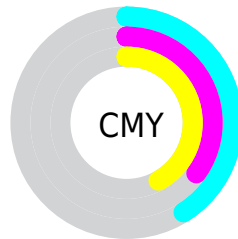
- Red (59%)
- Green (65%)
- Blue (58%)



- Red (58%)
- Yellow (65%)
- Blue (64%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)



- Cyan (41%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8235, 36.0217, 33.7094 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 31.8235, 36.0217, 33.7094 by changing the saturation by 10% instead.

■ 31.8235, 36.0217,
33.7094

■ 31.8235, 36.0217,
33.7094

302.0740,
329.0554, 333.5638

■ 21.3816, 24.4510,
22.3949

■ 61.9014, 69.0656,
66.6102

■ 13.5173, 15.6685,
13.9463

■ 82.2680, 91.3075,
89.0336

■ 7.8651, 9.2899,
7.9450

106.6737,
117.8752, 115.9971

■ 4.0599, 4.9307,
3.9725

135.4837,
149.1532, 147.9191

■ 1.7361, 2.2067,
1.6103

169.0633,
185.5258, 185.2182

■ 0.4787, 0.7236,
0.2981

207.7781,

■ 0.0000, 0.0000,

227.3774, 228.3131

0.0000

251.9932,
275.0925, 277.6221

■ 31.8235, 36.0217,
33.7094

■ 31.8235, 36.0217,
33.7094

■ 28.0399, 34.2146,
27.1001

■ 36.1358, 38.0816,
41.3311

■ 24.7619, 32.6462,
21.4585

■ 40.9931, 40.3987,
50.0027

■ 21.9687, 31.3078,
16.7397

■ 46.4146, 42.9832,
59.7630

■ 19.6373, 30.1886,
12.8948

■ 52.4175, 45.8431,
70.6477

■ 17.7424, 29.2768,
9.8700

■ 59.0187, 48.9864,
82.6911

■ 16.2567, 28.5594,
7.6058

■ 66.2340, 52.4206,
95.9261

■ 15.1495, 28.0222,
6.0345

■ 72.3917, 55.4780,
101.5006

■ 14.3855, 27.6488,
5.0766

■ 72.9270, 55.7539,
101.5257

■ 13.9158, 27.4176,
4.5587

Harmonies

Analogous

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



33.1195, 36.0217, 31.2709



31.8235, 36.0217, 33.7094



31.1803, 36.0217, 37.7648

Triad

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



31.8235, 36.0217, 33.7094



33.7251, 36.0217, 48.9625



37.3135, 36.0217, 36.0722

Complementary

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



31.8235, 36.0217, 33.7094



32.9418, 32.1417, 40.5461

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.



37.4884, 36.0217, 40.7152



31.8235, 36.0217, 33.7094



35.3805, 36.0217, 48.4170

Square

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



31.8235, 36.0217, 33.7094



32.2545, 36.0217, 46.7392



36.7707, 36.0217, 45.3040



36.3002, 36.0217, 32.5565

Rectangle

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



31.8235, 36.0217, 33.7094



31.1934, 36.0217, 40.9486



36.7707, 36.0217, 45.3040



37.4736, 36.0217, 37.5437

Sweetspot

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



31.8245, 36.0232, 33.7102



63.2796, 68.0131, 70.9272



34.3801, 36.7343, 33.7127



14.0193, 15.1525, 15.6217



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.8245, 36.0232, 33.7102



56.3203, 64.6897, 58.6583



31.9678, 36.0381, 36.3854



7.5157, 8.4484, 8.0239



10.8124, 21.2713, 3.5359



0.2873, 0.5300, 0.0872

Inverse Universe

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



32.9418, 32.1417, 40.5461



58.7077, 56.3948, 73.2663



32.7994, 32.1328, 37.6257



7.7538, 7.6212, 9.4807



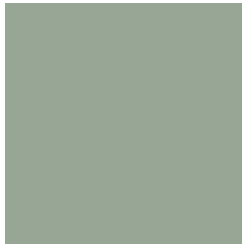
14.6216, 6.9211, 28.5408



0.3793, 0.1806, 0.6955

Previews

White Background



This preview shows how the XYZ color 31.8235, 36.0217, 33.7094 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 31.8235, 36.0217, 33.7094 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 31.8235, 36.0217, 33.7094

Background



This preview shows how black text looks on a background with the XYZ color 31.8235, 36.0217, 33.7094.



This preview shows how white text looks on a background with the XYZ color 31.8235, 36.0217,

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

31.8235, 36.0217, 33.7094

Protanopia

34.0816, 35.8899, 32.3253

Deuteranopia

36.5304, 35.8351, 34.2697



Tritanopia

34.1758, 35.9044, 45.6864

Trichromacy



Original Color

31.8235, 36.0217, 33.7094

Protanomaly

33.2639, 35.9824, 32.7959

Deuteranomaly

34.6534, 35.8897, 33.9551

Tritanomaly

33.3066, 35.8176, 41.2344

Monochromacy



Original Color

31.8235, 36.0217, 33.7094

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.8257, 35.4091, 36.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8235, 36.0217, 33.7094 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(151, 166, 149)` looks like.

```
.text, #text, p{  
    color:rgb(151, 166, 149)  
}
```

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(151, 166, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 166, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.8235, 36.0217, 33.7094 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(151, 166, 149) }
```


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

```
.border{ border-color:rgb(151, 166, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 166, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 166, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 166, 149);  
box-shadow:4px 4px 4px 4px rgb(151, 166,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8235, 36.0217, 33.7094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 166, 149) }
```

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

```
.background{ background-color: rgb(151,  
166, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor