

Converting Colors

XYZ(31.6306, 33.7100, 37.8462)

Have a look what the booklet for
XYZ(31.6306, 33.7100, 37.8462)
contains.

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Color

**XYZ(31.6217, 33.7292,
37.6446)**

Conversions

Conversions Part 1

Format	Color
Hex	999E9F
RGB	153, 158, 159
RGB Percent	60%, 62%, 62%
CMY	0.4000, 0.3804, 0.3765
CMYK	0.04, 0.01, 0.00, 0.38
HSL	190°, 3%, 61%
HSV	190°, 4%, 62%
XYZ	31.6217, 33.7292, 37.6446
YIQ	156.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

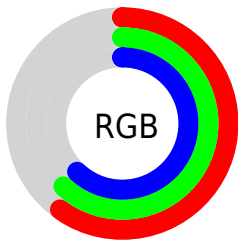
Format	Color
R_{YB}	153, 156, 159
Decimal	10067615
CIE Lab	64.75, -1.59, -1.15
CIE LCh	65, 1.962, 215.953
Yxy	33.7292, 0.3070, 0.3275
Android (android.graphics.Color)	4288257695 (0xFF999E9F)
YUV	156.6190, 1.1738, -3.1739
Hunter-Lab	58.0768, -4.4447, 2.2228

Details

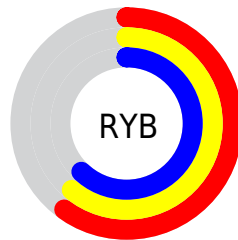
The XYZ color **31.6217, 33.7292, 37.6446** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6035, 32.7816, 34.7993**, and the grayscale version is **31.8735, 33.5334, 36.5178**.

A 20% lighter version of the original color is **61.6640, 65.7089, 73.0514**, and **13.4440, 14.4229, 16.2627** is the 20% darker color. If you saturate the color by 10%, you get **28.3727, 31.3931, 37.3654**, and if you desaturate by 10%, it is **35.2823, 36.2937, 37.9472**.

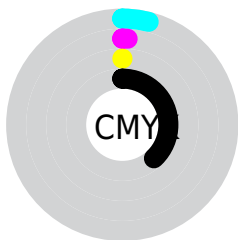
Distribution



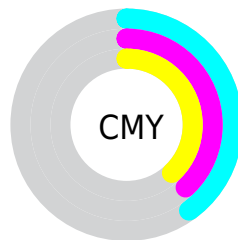
- Red (60%)
- Green (62%)
- Blue (62%)



- Red (60%)
- Yellow (61%)
- Blue (62%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6217, 33.7292, 37.6446 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 31.6217, 33.7292, 37.6446 by changing the saturation by 10% instead.

■ 31.6217, 33.7292,
37.6446

■ 31.6217, 33.7292,
37.6446

301.1683,
318.9229, 351.3453

■ 21.2269, 22.6856,
25.4073

■ 61.5868, 65.5123,
72.7604

■ 13.4033, 14.3616,
16.1590

■ 81.8877, 87.0207,
96.4760

■ 7.7858, 8.3726,
9.4811

106.2214,
112.7861, 124.8548

■ 4.0088, 4.3343,
4.9553

134.9532,
143.1930, 158.3153

■ 1.7071, 1.8622,
2.1627

168.4484,
178.6257, 197.2761

■ 0.4607, 0.5255,
0.6528

207.0724,

■ 0.0000, 0.0000,

219.4687, 242.1556

0.0000

251.1906,
266.1062, 293.3725

■ 31.6217, 33.7292,
37.6446

■ 31.6217, 33.7292,
37.6446

■ 28.3727, 31.3931,
37.3654

■ 35.2823, 36.2937,
37.9472

■ 25.5165, 29.2729,
37.1067

■ 39.3664, 39.0902,
38.2717

■ 23.0375, 27.3613,
36.8684

■ 43.8892, 42.1273,
38.6195

■ 20.9175, 25.6490,
36.6497

■ 48.8642, 45.4122,
38.9914

■ 19.1370, 24.1257,
36.4495

■ 54.3041, 48.9515,
39.3878

■ 17.6746, 22.7803,
36.2669

■ 60.2214, 52.7518,
39.8095

■ 16.5064, 21.6005,
36.1007

■ 63.1225, 55.0121,
40.0928

■ 15.6048, 20.5718,
35.9497

■ 63.6477, 56.0625,
40.2679

■ 14.9372, 19.6774,
35.8122

■ 64.1831, 57.1333,
40.4464

Harmonies

Analogous

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



31.5224, 33.7292, 36.8867



31.6217, 33.7292, 37.6446



31.8382, 33.7292, 38.1617

Triad

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



31.6217, 33.7292, 37.6446



32.5563, 33.7292, 37.3617



32.0024, 33.7292, 35.2025

Complementary

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



31.6217, 33.7292, 37.6446



31.6035, 32.7816, 34.7993

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.



32.2800, 33.7292, 35.3255



31.6217, 33.7292, 37.6446



32.6009, 33.7292, 36.5645

Square

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



31.6217, 33.7292, 37.6446



32.3780, 33.7292, 37.9967



32.4995, 33.7292, 35.8212



31.7413, 33.7292, 35.4827

Rectangle

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



31.6217, 33.7292, 37.6446



32.0203, 33.7292, 38.2961



32.4995, 33.7292, 35.8212



32.0969, 33.7292, 35.1981

Sweetspot

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



31.6227, 33.7306, 37.6453



58.3635, 61.6311, 67.5634



31.3599, 33.8988, 35.4189



13.1666, 13.9007, 15.2328



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.



31.6227, 33.7306, 37.6453



55.8219, 59.8316, 67.3500



31.1333, 32.7520, 37.4822



7.0039, 7.5193, 8.4889



11.5472, 15.1859, 28.2298



0.2292, 0.3170, 0.5123

Inverse Universe

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



31.8616, 32.6226, 36.9669



56.3961, 57.1807, 65.7168



32.0884, 33.7515, 34.9609



7.0825, 7.1569, 8.2651



14.6267, 7.1552, 18.0830



0.2730, 0.1325, 0.3838

Previews

White Background



This preview shows how the XYZ color 31.6217, 33.7292, 37.6446 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 31.6217, 33.7292, 37.6446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

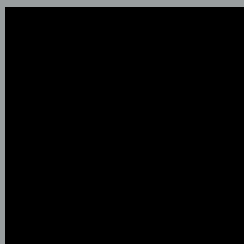
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

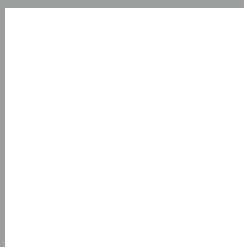
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6217, 33.7292, 37.6446

Background



This preview shows how black text looks on a background with the XYZ color 31.6217, 33.7292, 37.6446.



This preview shows how white text looks on a background with the XYZ color 31.6217, 33.7292,

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

31.6217, 33.7292, 37.6446

Protanopia

32.3581, 33.6165, 37.1309

Deuteranopia

34.3680, 33.6525, 37.9419



Tritanopia

32.5675, 33.6101, 42.3070

Trichromacy



Original Color

31.6217, 33.7292, 37.6446

Protanomaly

32.1332, 33.7507, 37.1687

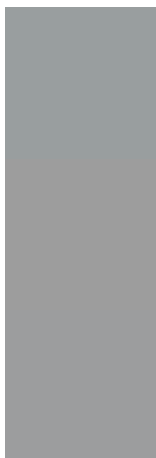
Deuteranomaly

33.2106, 33.5418, 37.9815

Tritanomaly

32.1749, 33.7006, 40.4064

Monochromacy



Original Color

31.6217, 33.7292, 37.6446

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9388, 33.6505, 37.1596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6217, 33.7292, 37.6446 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(153, 158, 159)` looks like.

```
.text, #text, p{  
    color:rgb(153, 158, 159)  
}
```

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(153, 158, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 158, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.6217, 33.7292, 37.6446 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(153, 158, 159) }
```


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

```
.border{ border-color:rgb(153, 158, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 158, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 158, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 158, 159);  
box-shadow:4px 4px 4px 4px rgb(153, 158,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6217, 33.7292, 37.6446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 158, 159) }
```

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

```
.background{ background-color: rgb(153,  
158, 159) }
```

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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