

Converting Colors

XYZ(32.1027, 33.4831, 37.3150)

Have a look what the booklet for
XYZ(32.1027, 33.4831, 37.3150)
contains.

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Color

**XYZ(32.1606, 33.5147,
37.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9C9E
RGB	158, 156, 158
RGB Percent	62%, 61%, 62%
CMY	0.3804, 0.3882, 0.3804
CMYK	0.00, 0.01, 0.00, 0.38
HSL	300°, 1%, 62%
HSV	300°, 1%, 62%
XYZ	32.1606, 33.5147, 37.1217
YIQ	156.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

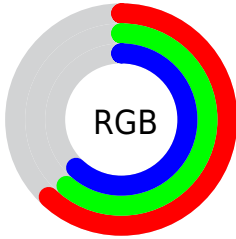
Format	Color
RYB	158, 156, 158
Decimal	10394782
CIELab	64.58, 1.11, -0.79
CIELCh	65, 1.364, 324.351
Yxy	33.5147, 0.3129, 0.3260
Android (android.graphics.Color)	4288584862 (0xFF9E9C9E)
YUV	156.8260, 0.5788, 1.0296
Hunter-Lab	57.8919, -2.1489, 2.5061

Details

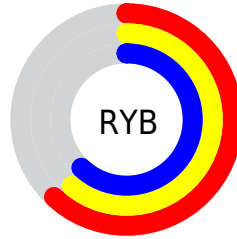
The XYZ color **32.1606, 33.5147, 37.1217** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9392, 33.9229, 36.3186**, and the grayscale version is **31.9678, 33.6326, 36.6259**.

A 20% lighter version of the original color is **62.4974, 65.0434, 72.2115**, and **13.7688, 14.2905, 15.9426** is the 20% darker color. If you saturate the color by 10%, you get **29.6803, 28.5536, 36.2953**, and if you desaturate by 10%, it is **34.9877, 39.1684, 38.0645**.

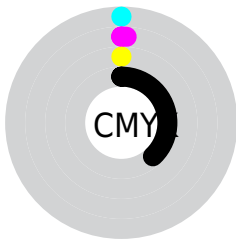
Distribution



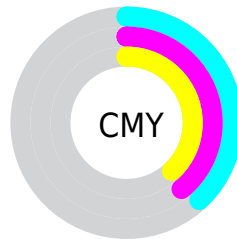
- Red (62%)
- Green (61%)
- Blue (62%)



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



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



- Cyan (38%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1606, 33.5147, 37.1217 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 32.1606, 33.5147, 37.1217 by changing the saturation by 10% instead.

■ 32.1606, 33.5147,
37.1217

■ 32.1606, 33.5147,
37.1217

303.5825,
317.9627, 349.0217

■ 21.6403, 22.5210,
25.0052

■ 62.4263, 65.1783,
71.9483

■ 13.7080, 14.2402,
15.8619

■ 82.9024, 86.6170,
95.4956

■ 7.9982, 8.2879,
9.2732

107.4278,
112.3061, 123.6901

■ 4.1456, 4.2797,
4.8205

136.3680,
142.6301, 156.9505

■ 1.7848, 1.8312,
2.0855

170.0882,
177.9734, 195.6954

■ 0.5085, 0.5065,
0.6071

208.9537,

■ 0.0000, 0.0000,

218.7203, 240.3431

0.0000

253.3301,
265.2553, 291.3124

■ 32.1606, 33.5147,
37.1217

■ 32.1606, 33.5147,
37.1217

■ 29.6803, 28.5536,
36.2953

■ 34.9877, 39.1684,
38.0645

■ 27.5306, 24.2545,
35.5788

■ 38.1713, 45.5355,
39.1257

■ 25.6987, 20.5907,
34.9682

■ 41.7242, 52.6411,
40.3099

■ 24.1693, 17.5320,
34.4584

■ 45.6576, 60.5078,
41.6210

■ 22.9262, 15.0459,
34.0441

■ 49.9824, 69.1573,
43.0626

■ 21.9517, 13.0969,
33.7192

■ 54.7090, 78.6104,
44.6381

■ 21.2258, 11.6453,
33.4773

■ 56.0329, 81.2581,
45.0794

■ 20.7262, 10.6462,
33.3108

■ 56.0329, 81.2581,
45.0794

■ 20.4262, 10.0464,
33.2108

■ 56.0330, 81.2582,
45.0794

Harmonies

Analogous

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



32.0097, 33.5147, 37.4796



32.1606, 33.5147, 37.1217



32.2296, 33.5147, 36.5977

Triad

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



32.1606, 33.5147, 37.1217



31.8917, 33.5147, 35.4328



31.5141, 33.5147, 36.9367

Complementary

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



32.1606, 33.5147, 37.1217



31.9392, 33.9229, 36.3186

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.



31.4828, 33.5147, 36.3861



32.1606, 33.5147, 37.1217



31.7003, 33.5147, 35.5215

Square

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



32.1606, 33.5147, 37.1217



32.0739, 33.5147, 35.6255



31.5508, 33.5147, 35.8691



31.6365, 33.5147, 37.3720

Rectangle

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



32.1606, 33.5147, 37.1217



32.2196, 33.5147, 36.2261



31.5508, 33.5147, 35.8691



31.4926, 33.5147, 36.7588

Sweetspot

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



32.1616, 33.5161, 37.1224



59.0181, 62.0916, 67.6177



31.7774, 33.3264, 37.1061



13.3056, 13.9985, 15.2444



76.7382, 80.7346, 87.9200

Same Dimension

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



32.1616, 33.5161, 37.1224



58.0331, 60.1216, 67.2894



32.0788, 33.4830, 36.6865



7.3285, 7.6033, 8.4880



16.2354, 7.7987, 26.5568



0.2903, 0.1394, 0.4748

Inverse Universe

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



31.9910, 33.4479, 36.2243



57.5359, 59.9228, 64.6714



32.0213, 33.9557, 36.7509



7.2716, 7.5805, 8.1882



11.2931, 5.8218, 0.5286



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 32.1606, 33.5147, 37.1217 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 32.1606, 33.5147, 37.1217 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

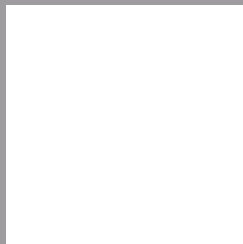
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1606, 33.5147, 37.1217

Background



This preview shows how black text looks on a background with the XYZ color 32.1606, 33.5147, 37.1217.



This preview shows how white text looks on a background with the XYZ color 32.1606, 33.5147,

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

32.1606, 33.5147, 37.1217

Protanopia

32.3581, 33.6165, 37.1309

Deuteranopia

34.2808, 33.6176, 37.4829



Tritanopia

32.9945, 33.6036, 41.3064

Trichromacy



Original Color

32.1606, 33.5147, 37.1217

Protanomaly

32.3581, 33.6165, 37.1309

Deuteranomaly

33.3751, 33.3927, 37.4873

Tritanomaly

32.7203, 33.4940, 39.8624

Monochromacy



Original Color

32.1606, 33.5147, 37.1217

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.0474, 33.7164, 36.7171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1606, 33.5147, 37.1217 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(158, 156, 158) looks like.

```
.text, #text, p{  
    color:rgb(158, 156, 158)  
}
```

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(158, 156, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 156, 158) }
```

Border

The CSS property to change the border of an element to XYZ 32.1606, 33.5147, 37.1217 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(158, 156, 158) }
```

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

```
.border{ border-color:rgb(158, 156, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 156, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 156, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 156, 158);  
box-shadow:4px 4px 4px 4px rgb(158, 156,  
158) }
```


Background

The CSS property to change the background color of an element to XYZ 32.1606, 33.5147, 37.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 156, 158) }
```

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

```
.background{ background-color: rgb(158,  
156, 158) }
```

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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