

Converting Colors

XYZ(31.1600, 35.6032, 37.1484)

Have a look what the booklet for
XYZ(31.1600, 35.6032, 37.1484)
contains.

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Color

**XYZ(31.2236, 35.6360,
37.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	90A69D
RGB	144, 166, 157
RGB Percent	56%, 65%, 62%
CMY	0.4353, 0.3490, 0.3843
CMYK	0.13, 0.00, 0.05, 0.35
HSL	155°, 11%, 61%
HSV	155°, 13%, 65%
XYZ	31.2236, 35.6360, 37.1311
YIQ	158.3960, -10.2230, -7.4630

Conversions

Conversions Part 2

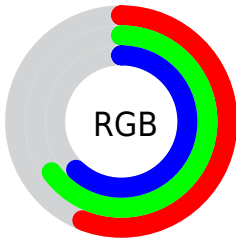
Format	Color
RYB	144, 158, 166
Decimal	9479837
CIELab	66.24, -9.49, 2.06
CIElCh	66, 9.709, 167.722
Yxy	35.6360, 0.3003, 0.3427
Android (android.graphics.Color)	4287669917 (0xFF90A69D)
YUV	158.3960, -0.6882, -12.6253
Hunter-Lab	59.6959, -11.1044, 4.9085

Details

The XYZ color **31.2236, 35.6360, 37.1311** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4501, 30.3543, 34.3399**, and the grayscale version is **32.6864, 34.3886, 37.4492**.

A 20% lighter version of the original color is **61.0288, 68.4721, 72.2872**, and **13.1330, 15.4024, 15.9164** is the 20% darker color. If you saturate the color by 10%, you get **27.9710, 34.0254, 34.0359**, and if you desaturate by 10%, it is **34.9368, 37.4823, 40.4176**.

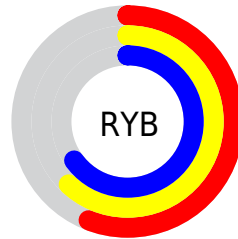
Distribution



Red (56%)

Green (65%)

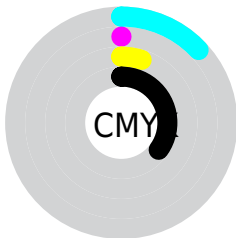
Blue (62%)



Red (56%)

Yellow (62%)

Blue (65%)

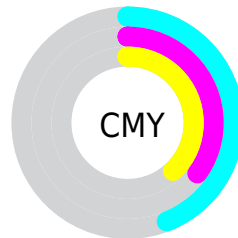


Cyan (13%)

Magenta (0%)

Yellow (5%)

Black (35%)



Cyan (44%)

Magenta (35%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2236, 35.6360, 37.1311 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 31.2236, 35.6360, 37.1311 by changing the saturation by 10% instead.

■ 31.2236, 35.6360,
37.1311

■ 31.2236, 35.6360,
37.1311

299.3756,
327.3668, 349.0635

■ 20.9218, 24.1532,
25.0124

■ 60.9654, 68.4699,
71.9630

■ 13.1790, 15.4473,
15.8672

■ 81.1361, 90.5897,
95.5132

■ 7.6298, 9.1339,
9.2769

105.3272,
117.0241, 123.7111

■ 3.9088, 4.8286,
4.8230

133.9040,
148.1573, 156.9751

■ 1.6507, 2.1471,
2.0868

167.2319,
184.3738, 195.7238

■ 0.4251, 0.6909,
0.6079

205.6763,

■ 0.0000, 0.0000,

226.0579, 240.3758

0.0000

249.6024,
273.5941, 291.3495

■ 31.2236, 35.6360,
37.1311

■ 31.2236, 35.6360,
37.1311

■ 27.9710, 34.0254,
34.0359

■ 34.9368, 37.4823,
40.4176

■ 25.1569, 32.6362,
31.1261

■ 39.1256, 39.5691,
43.8967

■ 22.7620, 31.4594,
28.3988

■ 43.8078, 41.9063,
47.5723

■ 20.7641, 30.4838,
25.8500

■ 48.9995, 44.5024,
51.4479

■ 19.1390, 29.6969,
23.4757

■ 54.7161, 47.3650,
55.5265

■ 17.8597, 29.0848,
21.2717

■ 60.9722, 50.5018,
59.8114

■ 16.8953, 28.6318,
19.2333

■ 65.8415, 52.9196,
64.2147

■ 16.2089, 28.3188,
17.3558

■ 66.6771, 53.2538,
68.6149

■ 15.8454, 28.1571,
16.1756

■ 67.5487, 53.6025,
73.2048

Harmonies

Analogous

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



31.8532, 35.6360, 33.6826



31.2236, 35.6360, 37.1311



31.2884, 35.6360, 41.2787

Triad

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



31.2236, 35.6360, 37.1311



34.7252, 35.6360, 46.9000



35.7780, 35.6360, 33.1978

Complementary

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



31.2236, 35.6360, 37.1311



31.4501, 30.3543, 34.3399

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.



36.5918, 35.6360, 36.4255



31.2236, 35.6360, 37.1311



35.9722, 35.6360, 44.4145

Square

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



31.2236, 35.6360, 37.1311



33.2825, 35.6360, 47.1227



36.6639, 35.6360, 40.5214



34.4663, 35.6360, 31.5226

Rectangle

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



31.2236, 35.6360, 37.1311



31.7169, 35.6360, 43.8854



36.6639, 35.6360, 40.5214



36.1204, 35.6360, 34.1263

Sweetspot

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



31.2246, 35.6375, 37.1319



62.8194, 67.7328, 72.8486



31.8398, 36.0761, 31.6713



13.9419, 15.0997, 16.2021



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.



31.2246, 35.6375, 37.1319



54.7836, 63.7414, 65.6417



31.6910, 35.2945, 41.2203



7.6157, 8.4793, 8.9624



12.3104, 21.8429, 12.6672



0.3240, 0.5412, 0.4369

Inverse Universe

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



31.4501, 30.3543, 34.3399



55.2767, 52.1954, 59.5408



31.0142, 30.6279, 30.6632



7.6536, 7.5913, 8.4930



13.0239, 6.6183, 4.9375



0.3424, 0.1712, 0.2547

Previews

White Background



This preview shows how the XYZ color 31.2236, 35.6360, 37.1311 looks on a white background.

Color Contrast Check

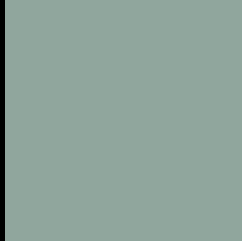
Large Text (above 18pt) WCAG AA × Fail

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 31.2236, 35.6360, 37.1311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

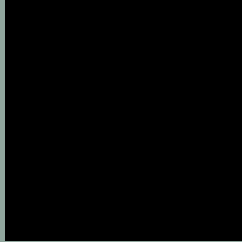
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2236, 35.6360, 37.1311

Background



This preview shows how black text looks on a background with the XYZ color 31.2236, 35.6360, 37.1311.



This preview shows how white text looks on a background with the XYZ color 31.2236, 35.6360,

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

31.2236, 35.6360, 37.1311

Protanopia

33.9206, 35.4740, 35.6312

Deuteranopia

36.2779, 35.6272, 37.7656



Tritanopia

32.9663, 35.5320, 46.1952

Trichromacy



Original Color

31.2236, 35.6360, 37.1311

Protanomaly

32.7414, 35.3753, 36.1128

Deuteranomaly

34.2594, 35.6096, 37.4154

Tritanomaly

32.2910, 35.5265, 42.6915

Monochromacy



Original Color

31.2236, 35.6360, 37.1311

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0533, 34.7307, 37.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2236, 35.6360, 37.1311 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(144, 166, 157)` looks like.

```
.text, #text, p{  
    color:rgb(144, 166, 157)  
}
```

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(144, 166, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 166, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.2236, 35.6360, 37.1311 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(144, 166, 157) }
```


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

```
.border{ border-color:rgb(144, 166, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 166, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 166, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 166, 157);  
box-shadow:4px 4px 4px 4px rgb(144, 166,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2236, 35.6360, 37.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 166, 157) }
```

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

```
.background{ background-color: rgb(144,  
166, 157) }
```

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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