

Converting Colors

XYZ(28.1928, 31.2484, 36.4292)

Have a look what the booklet for
XYZ(28.1928, 31.2484, 36.4292)
contains.

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Color

**XYZ(28.1237, 31.1954,
36.4373)**

Conversions

Conversions Part 1

Format	Color
Hex	899B9D
RGB	137, 155, 157
RGB Percent	54%, 61%, 62%
CMY	0.4627, 0.3921, 0.3843
CMYK	0.13, 0.01, 0.00, 0.38
HSL	186°, 9%, 58%
HSV	186°, 13%, 62%
XYZ	28.1237, 31.1954, 36.4373
YIQ	149.8460, -11.3700, -3.1940

Conversions

Conversions Part 2

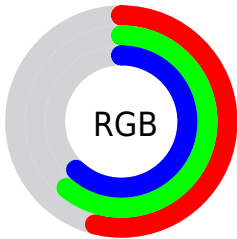
Format	Color
RYB	137, 146, 157
Decimal	9018269
CIELab	62.67, -5.92, -3.21
CIELCh	63, 6.738, 208.475
Yxy	31.1954, 0.2937, 0.3258
Android (android.graphics.Color)	4287208349 (0xFF899B9D)
YUV	149.8460, 3.5269, -11.2659
Hunter-Lab	55.8528, -7.8620, 0.4174

Details

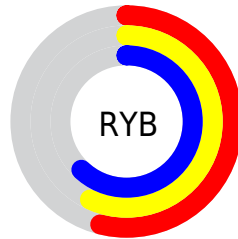
The XYZ color **28.1237, 31.1954, 36.4373** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.6528, 27.4394, 27.5064**, and the grayscale version is **28.9139, 30.4196, 33.1270**.

A 20% lighter version of the original color is **56.1700, 61.4308, 71.1842**, and **11.4823, 12.9675, 15.5335** is the 20% darker color. If you saturate the color by 10%, you get **25.4760, 29.4464, 36.2397**, and if you desaturate by 10%, it is **31.1511, 33.1469, 36.6549**.

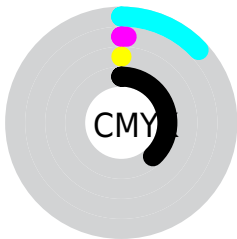
Distribution



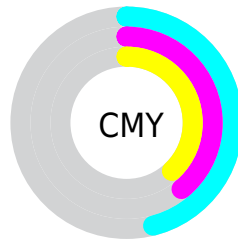
- Red (54%)
- Green (61%)
- Blue (62%)



- Red (54%)
- Yellow (57%)
- Blue (62%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)



- Cyan (46%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1237, 31.1954, 36.4373 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 28.1237, 31.1954, 36.4373 by changing the saturation by 10% instead.

■ 28.1237, 31.1954,
36.4373

■ 28.1237, 31.1954,
36.4373

285.1269,
307.4375, 345.9629

■ 18.5599, 20.7477,
24.4798

■ 56.0891, 61.5476,
70.8831

■ 11.4548, 12.9397,
15.4744

■ 75.2214, 82.2208,
94.2085

■ 6.4431, 7.3870,
9.0027

■ 98.2739, 107.0714,
122.1602

■ 3.1596, 3.7053,
4.6461

125.6120,
136.4836, 155.1568

■ 1.2387, 1.5101,
1.9861

157.6010,
170.8420, 193.6168

■ 0.1366, 0.2958,
0.5467

194.6062,

■ 0.0000, 0.0000,

210.5308, 237.9588

0.0000

236.9931,
255.9345, 288.6014

■ 28.1237, 31.1954,
36.4373

■ 28.1237, 31.1954,
36.4373

■ 25.4760, 29.4464,
36.2397

■ 31.1511, 33.1469,
36.6549

■ 23.1892, 27.8875,
36.0594

■ 34.5707, 35.3048,
36.8912

■ 21.2469, 26.5113,
35.8961

■ 38.3977, 37.6777,
37.1475

■ 19.6304, 25.3080,
35.7491

■ 42.6456, 40.2728,
37.4245

■ 18.3191, 24.2671,
35.6173

■ 47.3274, 43.0966,
37.7228

■ 17.2903, 23.3767,
35.4996

■ 52.4556, 46.1557,
38.0430

■ 16.5178, 22.6233,
35.3949

■ 58.0419, 49.4561,
38.3856

■ 15.9706, 21.9909,
35.3017

■ 61.2453, 51.5332,
38.6177

■ 15.6580, 21.5785,
35.2386

■ 61.5356, 52.1138,
38.7144

Harmonies

Analogous

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



27.9184, 31.1954, 33.8319



28.1237, 31.1954, 36.4373



28.7357, 31.1954, 38.4663

Triad

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



28.1237, 31.1954, 36.4373



31.1825, 31.1954, 36.6824



29.6974, 31.1954, 29.1538

Complementary

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



28.1237, 31.1954, 36.4373



27.6528, 27.4394, 27.5064

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.



30.5840, 31.1954, 29.8320



28.1237, 31.1954, 36.4373



31.4524, 31.1954, 34.1014

Square

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



28.1237, 31.1954, 36.4373



30.5009, 31.1954, 38.6129



31.2312, 31.1954, 31.6100



28.8156, 31.1954, 29.7086

Rectangle

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



28.1237, 31.1954, 36.4373



29.2986, 31.1954, 39.1713



31.2312, 31.1954, 31.6100



30.0048, 31.1954, 29.2444

Sweetspot

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



28.1246, 31.1967, 36.4380



55.0221, 58.8732, 65.5904



27.0099, 31.2872, 28.9146



12.0188, 12.8981, 14.4265



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.1246, 31.1967, 36.4380



49.0948, 55.0366, 65.1623



26.5793, 28.1061, 35.9229



6.7652, 7.3962, 8.4777



12.7322, 17.5559, 28.6248



0.2424, 0.3433, 0.5167

Inverse Universe

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



28.7674, 27.4266, 34.7895



50.4582, 47.0925, 61.6539



29.1153, 30.3644, 27.9939



6.8756, 6.7432, 8.1960



15.2248, 7.3945, 21.2327



0.2796, 0.1352, 0.4187

Previews

White Background



This preview shows how the XYZ color 28.1237, 31.1954, 36.4373 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 28.1237, 31.1954, 36.4373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

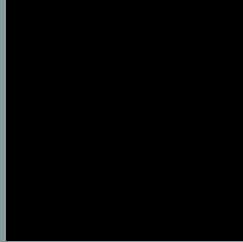
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

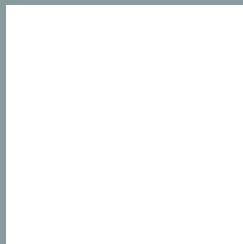
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1237, 31.1954, 36.4373

Background



This preview shows how black text looks on a background with the XYZ color 28.1237, 31.1954, 36.4373.



This preview shows how white text looks on a background with the XYZ color 28.1237, 31.1954,

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

28.1237, 31.1954, 36.4373

Protanopia

30.0362, 31.2386, 35.0184

Deuteranopia

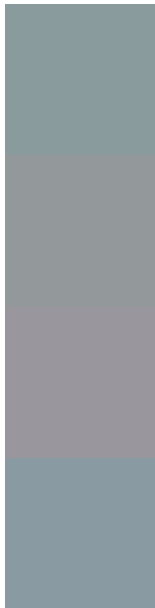
31.7960, 31.1572, 37.1390



Tritanopia

29.0860, 31.3533, 40.5952

Trichromacy



Original Color

28.1237, 31.1954, 36.4373

Protanomaly

29.1773, 31.0261, 35.4612

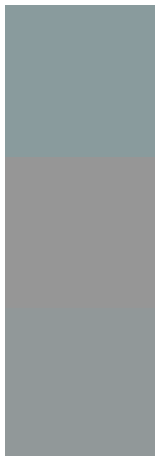
Deuteranomaly

30.4043, 31.1513, 36.7581

Tritanomaly

28.6477, 31.1588, 39.1547

Monochromacy



Original Color

28.1237, 31.1954, 36.4373

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6551, 30.7761, 34.5671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1237, 31.1954, 36.4373 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(137, 155, 157)` looks like.

```
.text, #text, p{  
    color:rgb(137, 155, 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(137, 155, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 155, 157) }
```

Border

The CSS property to change the border of an element to XYZ 28.1237, 31.1954, 36.4373 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(137, 155, 157) }
```


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

```
.border{ border-color:rgb(137, 155, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 155, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 155, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 155, 157);  
box-shadow:4px 4px 4px 4px rgb(137, 155,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1237, 31.1954, 36.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 155, 157) }
```

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

```
.background{ background-color: rgb(137,  
155, 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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