

Converting Colors

XYZ(31.1977, 35.3238, 37.9571)

Have a look what the booklet for
XYZ(31.1977, 35.3238, 37.9571)
contains.

XYZ(31.2147, 35.3428, 37.9775)	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(31.2147, 35.3428,
37.9775)**

Conversions

Conversions Part 1

Format	Color
Hex	90A59F
RGB	144, 165, 159
RGB Percent	56%, 65%, 62%
CMY	0.4353, 0.3529, 0.3765
CMYK	0.13, 0.00, 0.04, 0.35
HSL	163°, 10%, 61%
HSV	163°, 13%, 65%
XYZ	31.2147, 35.3428, 37.9775
YIQ	158.0370, -10.5900, -6.3180

Conversions

Conversions Part 2

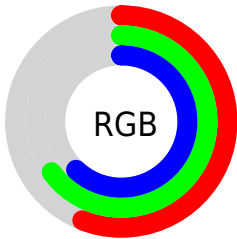
Format	Color
RYB	144, 156, 165
Decimal	9479583
CIELab	66.01, -8.55, 0.62
CIELCh	66, 8.568, 175.843
Yxy	35.3428, 0.2986, 0.3381
Android (android.graphics.Color)	4287669663 (0xFF90A59F)
YUV	158.0370, 0.4748, -12.3104
Hunter-Lab	59.4498, -10.3140, 3.7395

Details

The XYZ color **31.2147, 35.3428, 37.9775** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9966, 30.1487, 33.0413**, and the grayscale version is **32.5183, 34.2118, 37.2567**.

A 20% lighter version of the original color is **61.0195, 68.0472, 73.5367**, and **13.1261, 15.2201, 16.4333** is the 20% darker color. If you saturate the color by 10%, you get **28.1395, 33.8048, 35.7384**, and if you desaturate by 10%, it is **34.7288, 37.1071, 40.3201**.

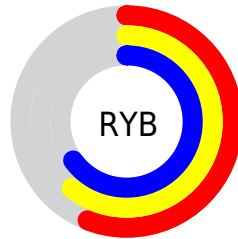
Distribution



Red (56%)

Green (65%)

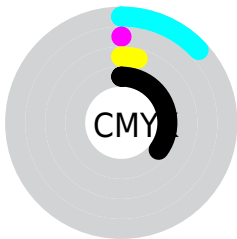
Blue (62%)



Red (56%)

Yellow (61%)

Blue (65%)

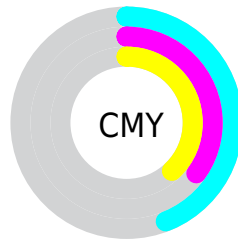


Cyan (13%)

Magenta (0%)

Yellow (4%)

Black (35%)



Cyan (44%)

Magenta (35%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2147, 35.3428, 37.9775 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 31.2147, 35.3428, 37.9775 by changing the saturation by 10% instead.

■ 31.2147, 35.3428,
37.9775

■ 31.2147, 35.3428,
37.9775

299.3355,
326.0789, 352.8187

■ 20.9150, 23.9271,
25.6635

■ 60.9515, 68.0165,
73.2767

■ 13.1740, 15.2795,
16.3486

■ 81.1193, 90.0432,
97.0990

■ 7.6263, 9.0158,
9.6141

105.3072,
116.3757, 125.5945

■ 3.9066, 4.7515,
5.0416

133.8805,
147.3984, 159.1817

■ 1.6494, 2.1022,
2.2125

167.2047,
183.4957, 198.2792

■ 0.4243, 0.6659,
0.6816

205.6450,

■ 0.0000, 0.0000,

225.0519, 243.3055

0.0000

249.5668,
272.4515, 294.6792

■ 31.2147, 35.3428,
37.9775

■ 31.2147, 35.3428,
37.9775

■ 28.1395, 33.8048,
35.7384

■ 34.7288, 37.1071,
40.3201

■ 25.4818, 32.4793,
33.5988

■ 38.6960, 39.1023,
42.7656

■ 23.2229, 31.3577,
31.5575

■ 43.1336, 41.3381,
45.3164

■ 21.3414, 30.4289,
29.6127

■ 48.0572, 43.8226,
47.9740

■ 19.8141, 29.6808,
27.7623

■ 53.4814, 46.5633,
50.7401

■ 18.6148, 29.1002,
26.0041

■ 59.4205, 49.5675,
53.6160

■ 17.7137, 28.6717,
24.3358

■ 64.2116, 51.9780,
56.5248

■ 17.0754, 28.3770,
22.7547

■ 64.7428, 52.1904,
59.3217

■ 16.7166, 28.2160,
21.6564

■ 65.2908, 52.4097,
62.2076

Harmonies

Analogous

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



31.6114, 35.3428, 34.6871



31.2147, 35.3428, 37.9775



31.4417, 35.3428, 41.6127

Triad

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



31.2147, 35.3428, 37.9775



34.6682, 35.3428, 45.1271



34.9823, 35.3428, 32.9794

Complementary

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



31.2147, 35.3428, 37.9775



30.9966, 30.1487, 33.0413

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.



35.8387, 35.3428, 35.5130



31.2147, 35.3428, 37.9775



35.6542, 35.3428, 42.5447

Square

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



31.2147, 35.3428, 37.9775



33.4155, 35.3428, 45.8888



36.0876, 35.3428, 38.9916



33.7696, 35.3428, 31.9189

Rectangle

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



31.2147, 35.3428, 37.9775



31.9194, 35.3428, 43.7220



36.0876, 35.3428, 38.9916



35.3226, 35.3428, 33.6789

Sweetspot

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



31.2157, 35.3443, 37.9783



61.3011, 66.0046, 71.6322



31.1232, 35.4380, 31.5858



13.2979, 14.3778, 15.5929



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.2157, 35.3443, 37.9783



54.4267, 62.5566, 66.9745



31.0042, 34.0672, 40.5407



7.1894, 7.9766, 8.6091



12.6679, 21.3535, 16.4996



0.2849, 0.4562, 0.4454

Inverse Universe

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



30.9966, 30.1487, 33.0413



53.9641, 51.5836, 56.5487



31.1735, 31.2565, 30.7760



7.1531, 7.1177, 7.7929



12.1486, 6.2155, 2.7071



0.2746, 0.1383, 0.1587

Previews

White Background



This preview shows how the XYZ color 31.2147, 35.3428, 37.9775 looks on a white background.

Color Contrast Check

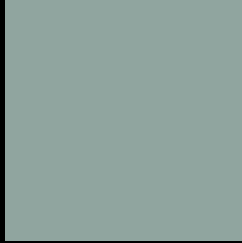
Large Text (above 18pt) WCAG AA × Fail

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 31.2147, 35.3428, 37.9775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

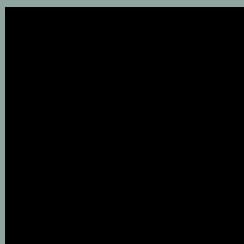
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

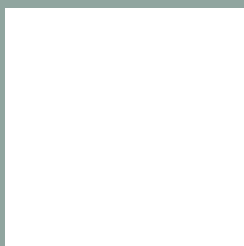
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2147, 35.3428, 37.9775

Background



This preview shows how black text looks on a background with the XYZ color 31.2147, 35.3428, 37.9775.



This preview shows how white text looks on a background with the XYZ color 31.2147, 35.3428,

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

31.2147, 35.3428, 37.9775

Protanopia

33.7087, 35.0891, 36.4487

Deuteranopia

35.8336, 35.1299, 38.6103



Tritanopia

32.8677, 35.4926, 45.6759

Trichromacy



Original Color

31.2147, 35.3428, 37.9775

Protanomaly

32.7353, 35.0922, 36.9464

Deuteranomaly

34.0531, 35.2269, 38.2624

Tritanomaly

32.2910, 35.5265, 42.6915

Monochromacy



Original Color

31.2147, 35.3428, 37.9775

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 31.2147, 35.3428, 37.9775 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, 165, 159)` looks like.

```
.text, #text, p{  
    color:rgb(144, 165, 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(144, 165, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 165, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.2147, 35.3428, 37.9775 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, 165, 159) }
```


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

```
.border{ border-color:rgb(144, 165, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 165, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 165, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 165, 159);  
box-shadow:4px 4px 4px 4px rgb(144, 165,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2147, 35.3428, 37.9775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 165, 159) }
```

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

```
.background{ background-color: rgb(144,  
165, 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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