

Converting Colors

XYZ(31.2365, 34.6018, 34.2737)

Have a look what the booklet for
XYZ(31.2365, 34.6018, 34.2737)
contains.

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Color

**XYZ(31.2687, 34.6543,
34.3191)**

Conversions

Conversions Part 1

Format	Color
Hex	97A297
RGB	151, 162, 151
RGB Percent	59%, 64%, 59%
CMY	0.4078, 0.3647, 0.4078
CMYK	0.07, 0.00, 0.07, 0.36
HSL	120°, 6%, 61%
HSV	120°, 7%, 64%
XYZ	31.2687, 34.6543, 34.3191
YIQ	157.4570, -3.0250, -5.7530

Conversions

Conversions Part 2

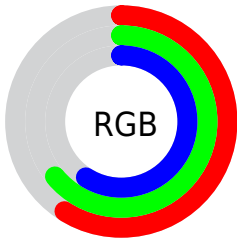
Format	Color
RYB	151, 162, 162
Decimal	9937559
CIELab	65.48, -6.04, 4.37
CIElCh	65, 7.452, 144.089
Yxy	34.6543, 0.3119, 0.3457
Android (android.graphics.Color)	4288127639 (0xFF97A297)
YUV	157.4570, -3.1833, -5.6628
Hunter-Lab	58.8679, -8.2055, 6.6424

Details

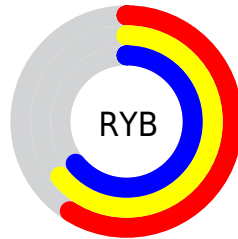
The XYZ color **31.2687, 34.6543, 34.3191** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4897, 32.4240, 38.7300**, and the grayscale version is **32.2694, 33.9499, 36.9714**.

A 20% lighter version of the original color is **61.0091, 67.0126, 67.4768**, and **13.1317, 14.7813, 14.2175** is the 20% darker color. If you saturate the color by 10%, you get **27.2398, 32.7200, 27.7284**, and if you desaturate by 10%, it is **35.8935, 36.8769, 41.8828**.

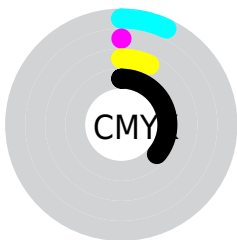
Distribution



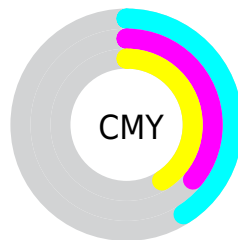
- Red (59%)
- Green (64%)
- Blue (59%)



- Red (59%)
- Yellow (64%)
- Blue (64%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)



- Cyan (41%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2687, 34.6543, 34.3191 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 31.2687, 34.6543, 34.3191 by changing the saturation by 10% instead.

■ 31.2687, 34.6543,
34.3191

■ 31.2687, 34.6543,
34.3191

299.5791,
323.0398, 336.3651

■ 20.9564, 23.3967,
22.8595

■ 61.0358, 66.9499,
67.5691

■ 13.2044, 14.8867,
14.2855

■ 81.2213, 88.7566,
90.1967

■ 7.6474, 8.7399,
8.1785

105.4286,
114.8486, 117.3839

■ 3.9201, 4.5719,
4.1200

134.0231,
145.6101, 149.5495

■ 1.6570, 1.9984,
1.6914

167.3700,
181.4256, 187.1118

■ 0.4291, 0.6065,
0.3548

205.8347,

■ 0.0000, 0.0000,

222.6794, 230.4895

0.0000

249.7826,
269.7560, 280.1011

■ 31.2687, 34.6543,
34.3191

■ 31.2687, 34.6543,
34.3191

■ 27.2398, 32.7200,
27.7284

■ 35.8935, 36.8769,
41.8828

■ 23.7799, 31.0581,
22.0692

■ 41.1341, 39.3942,
50.4545

■ 20.8642, 29.6575,
17.3001

■ 47.0129, 42.2181,
60.0700

■ 18.4650, 28.5051,
13.3758

■ 53.5503, 45.3583,
70.7628

■ 16.5523, 27.5863,
10.2471

■ 60.7660, 48.8244,
82.5649

■ 15.0928, 26.8852,
7.8598

■ 68.6786, 52.6253,
95.5070

■ 14.0491, 26.3839,
6.1525

■ 72.2110, 54.3220,
101.2870

■ 13.3779, 26.0615,
5.0545

■ 13.0146, 25.8869,
4.4602

Harmonies

Analogous

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



32.0895, 34.6543, 32.5120



31.2687, 34.6543, 34.3191



30.8960, 34.6543, 37.1176

Triad

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



31.2687, 34.6543, 34.3191



32.7224, 34.6543, 44.0262



34.8893, 34.6543, 35.3344

Complementary

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



31.2687, 34.6543, 34.3191



32.4897, 32.4240, 38.7300

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.



35.0678, 34.6543, 38.3544



31.2687, 34.6543, 34.3191



33.8011, 34.6543, 43.4843

Square

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



31.2687, 34.6543, 34.3191



31.7233, 34.6543, 42.8081



34.6654, 34.6543, 41.3653



34.1830, 34.6543, 33.0751

Rectangle

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



31.2687, 34.6543, 34.3191



30.9458, 34.6543, 39.2134



34.6654, 34.6543, 41.3653



35.0137, 34.6543, 36.2897

Sweetspot

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



31.2697, 34.6558, 34.3199



60.6184, 64.7631, 68.6049



33.4080, 35.7582, 34.4197



13.6365, 14.5560, 15.4442



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.



31.2697, 34.6558, 34.3199



55.7075, 62.4042, 60.5723



31.7270, 34.8387, 36.7283



6.9856, 7.8951, 7.5359



10.1790, 20.3579, 3.3932



0.2139, 0.4278, 0.0713

Inverse Universe

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



32.4897, 32.4240, 38.7300



58.3420, 57.5848, 70.0956



32.0112, 32.2326, 36.2103



7.3643, 7.2022, 8.9050



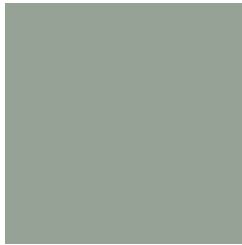
16.8762, 8.1065, 27.6024



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 31.2687, 34.6543, 34.3191 looks on a white background.

Color Contrast Check

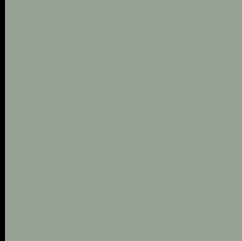
Large Text (above 18pt) WCAG AA × Fail

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 31.2687, 34.6543, 34.3191 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

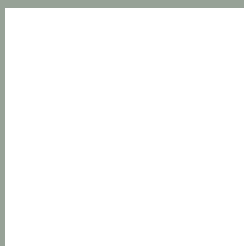
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2687, 34.6543, 34.3191

Background



This preview shows how black text looks on a background with the XYZ color 31.2687, 34.6543, 34.3191.



This preview shows how white text looks on a background with the XYZ color 31.2687, 34.6543,

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

31.2687, 34.6543, 34.3191

Protanopia

32.9615, 34.5162, 33.3588

Deuteranopia

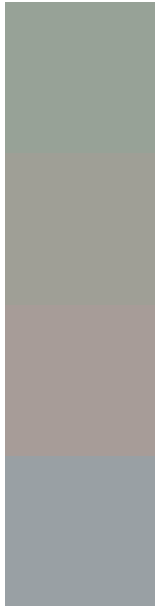
35.0455, 34.3125, 34.9129



Tritanopia

33.1710, 34.6449, 43.9686

Trichromacy



Original Color

31.2687, 34.6543, 34.3191

Protanomaly

32.2012, 34.3692, 33.7909

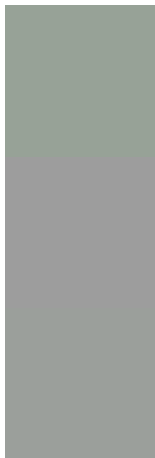
Deuteranomaly

33.4923, 34.2594, 34.5533

Tritanomaly

32.4085, 34.5943, 40.0912

Monochromacy



Original Color

31.2687, 34.6543, 34.3191

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8321, 34.1314, 35.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2687, 34.6543, 34.3191 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(151, 162, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 162, 151)  
}
```

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(151, 162, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 162, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.2687, 34.6543, 34.3191 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(151, 162, 151) }
```


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

```
.border{ border-color:rgb(151, 162, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 162, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 162, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 162, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 162,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2687, 34.6543, 34.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 162, 151) }
```

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

```
.background{ background-color: rgb(151,  
162, 151) }
```

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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