

Converting Colors

XYZ(31.5418, 36.7087, 42.2177)

Have a look what the booklet for
XYZ(31.5418, 36.7087, 42.2177)
contains.

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Color

**XYZ(31.5031, 36.7737,
41.9969)**

Conversions

Conversions Part 1

Format	Color
Hex	88AAA7
RGB	136, 170, 167
RGB Percent	53%, 67%, 65%
CMY	0.4667, 0.3333, 0.3451
CMYK	0.20, 0.00, 0.02, 0.33
HSL	175°, 17%, 60%
HSV	175°, 20%, 67%
XYZ	31.5031, 36.7737, 41.9969
YIQ	159.4920, -19.3010, -8.1410

Conversions

Conversions Part 2

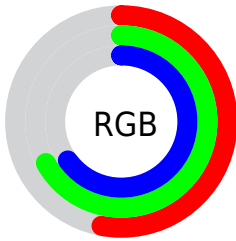
Format	Color
RYB	136, 154, 170
Decimal	8956583
CIELab	67.11, -12.19, -2.30
CIElCh	67, 12.408, 190.668
Yxy	36.7737, 0.2857, 0.3335
Android (android.graphics.Color)	4287146663 (0xFF88AAA7)
YUV	159.4920, 3.7014, -20.6025
Hunter-Lab	60.6413, -13.3918, 1.3879

Details

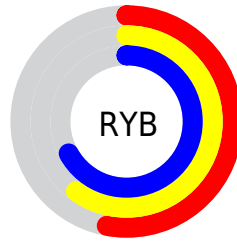
The XYZ color **31.5031, 36.7737, 41.9969** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.0432, 28.0194, 28.2524**, and the grayscale version is **33.1707, 34.8982, 38.0041**.

A 20% lighter version of the original color is **61.3452, 70.0715, 79.3992**, and **13.3193, 16.1260, 18.6303** is the 20% darker color. If you saturate the color by 10%, you get **28.8205, 35.4077, 41.1519**, and if you desaturate by 10%, it is **34.6274, 38.3692, 42.8726**.

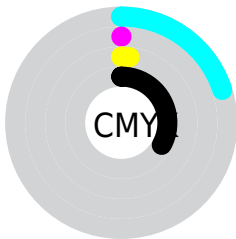
Distribution



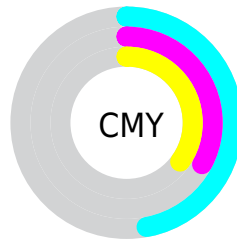
- Red (53%)
- Green (67%)
- Blue (65%)



- Red (53%)
- Yellow (60%)
- Blue (67%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (33%)



- Cyan (47%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5031, 36.7737, 41.9969 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 31.5031, 36.7737, 41.9969 by changing the saturation by 10% instead.

■ 31.5031, 36.7737,
41.9969

■ 31.5031, 36.7737,
41.9969

300.6351,
332.3297, 370.2694

■ 21.1359, 25.0323,
28.7733

■ 61.4018, 70.2246,
79.4650

■ 13.3364, 16.1011,
18.6653

■ 81.6640, 92.7029,
104.5465

■ 7.7392, 9.5958,
11.2543

■ 105.9553,
119.5290, 134.4178

■ 3.9789, 5.1318,
6.1218

134.6410,
151.0872, 169.4974

■ 1.6902, 2.3248,
2.8493

168.0864,
187.7620, 210.2038

■ 0.4501, 0.7868,
1.0182

206.6571,

■ 0.0000, 0.0000,

229.9378, 256.9556

0.0000

250.7182,
277.9989, 310.1713

■ 31.5031, 36.7737,
41.9969

■ 31.5031, 36.7737,
41.9969

■ 28.8205, 35.4077,
41.1519

■ 34.6274, 38.3692,
42.8726

■ 26.5557, 34.2559,
40.3340

■ 38.2095, 40.1995,
43.7773

■ 24.6877, 33.3085,
39.5430

■ 42.2684, 42.2755,
44.7129

■ 23.1921, 32.5528,
38.7778

■ 46.8214, 44.6059,
45.6800

■ 22.0418, 31.9750,
38.0371

■ 51.8847, 47.1992,
46.6796

■ 21.2062, 31.5593,
37.3194

■ 57.4738, 50.0634,
47.7123

■ 20.6492, 31.2870,
36.6229

■ 63.6020, 53.2054,
48.7788

■ 20.2912, 31.1171,
35.9440

■ 63.7531, 53.2658,
49.5742

■ 63.9058, 53.3269,
50.3783

Harmonies

Analogous

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



31.6358, 36.7737, 36.6945



31.5031, 36.7737, 41.9969



32.2691, 36.7737, 47.2088

Triad

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



31.5031, 36.7737, 41.9969



37.3731, 36.7737, 48.4599



36.1685, 36.7737, 31.0050

Complementary

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



31.5031, 36.7737, 41.9969



30.0432, 28.0194, 28.2524

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.



37.7803, 36.7737, 33.6369



31.5031, 36.7737, 41.9969



38.4928, 36.7737, 43.5835

Square

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



31.5031, 36.7737, 41.9969



35.6290, 36.7737, 51.1572



38.6445, 36.7737, 38.1454



34.2843, 36.7737, 30.6633

Rectangle

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



31.5031, 36.7737, 41.9969



33.2031, 36.7737, 49.8106



38.6445, 36.7737, 38.1454



36.7619, 36.7737, 31.6393

Sweetspot

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



31.5042, 36.7752, 41.9977



65.2535, 70.8542, 78.4166



29.5341, 36.0520, 28.6953



14.4627, 15.7552, 17.4644



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.5042, 36.7752, 41.9977



54.9030, 65.5719, 75.5101



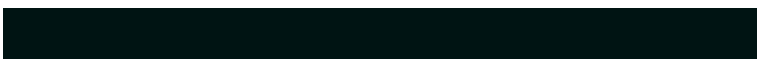
29.3658, 32.0491, 42.6703



7.7186, 8.5205, 9.5040



14.9362, 22.8932, 26.4947



0.3714, 0.5602, 0.6868

Inverse Universe

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



30.0432, 28.0194, 28.2524



51.7656, 46.7645, 45.9893



31.8654, 32.0101, 27.7922



7.5570, 7.5527, 7.9844



12.2677, 6.3158, 0.9553



0.3066, 0.1569, 0.0659

Previews

White Background



This preview shows how the XYZ color 31.5031, 36.7737, 41.9969 looks on a white background.

Color Contrast Check

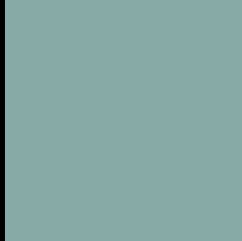
Large Text (above 18pt) WCAG AA × Fail

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 31.5031, 36.7737, 41.9969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

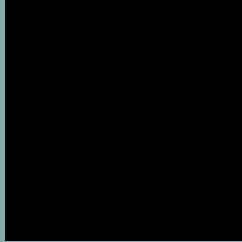
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5031, 36.7737, 41.9969

Background



This preview shows how black text looks on a background with the XYZ color 31.5031, 36.7737, 41.9969.

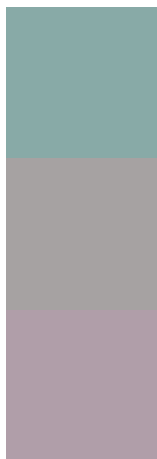


This preview shows how white text looks on a background with the XYZ color 31.5031, 36.7737,

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

31.5031, 36.7737, 41.9969

Protanopia

35.1678, 36.5563, 39.3849

Deuteranopia

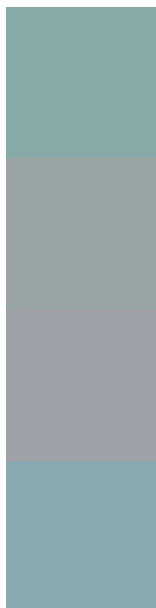
37.2928, 36.5484, 42.6251



Tritanopia

32.9906, 36.8304, 49.0863

Trichromacy



Original Color

31.5031, 36.7737, 41.9969

Protanomaly

33.6735, 36.5592, 40.4038

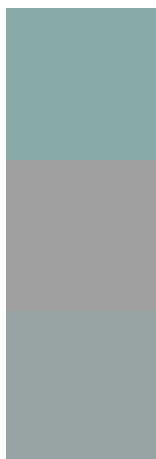
Deuteranomaly

34.6862, 36.2449, 42.2136

Tritanomaly

32.5057, 36.9138, 46.4861

Monochromacy



Original Color

31.5031, 36.7737, 41.9969

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.3813, 35.3823, 39.3052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5031, 36.7737, 41.9969 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(136, 170, 167) looks like.

```
.text, #text, p{  
    color:rgb(136, 170, 167)  
}
```

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(136, 170, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.5031, 36.7737, 41.9969 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(136, 170, 167) }
```


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

```
.border{ border-color:rgb(136, 170, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 170, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 170, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 170, 167);  
box-shadow:4px 4px 4px 4px rgb(136, 170,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5031, 36.7737, 41.9969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 167) }
```

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

```
.background{ background-color: rgb(136,  
170, 167) }
```

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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