

Converting Colors

XYZ(30.0985, 37.2308, 32.0058)

Have a look what the booklet for
XYZ(30.0985, 37.2308, 32.0058)
contains.

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Color

**XYZ(29.9693, 37.0517,
31.9577)**

Conversions

Conversions Part 1

Format	Color
Hex	87AD90
RGB	135, 173, 144
RGB Percent	53%, 68%, 56%
CMY	0.4706, 0.3216, 0.4353
CMYK	0.22, 0.00, 0.17, 0.32
HSL	134°, 19%, 60%
HSV	134°, 22%, 68%
XYZ	29.9693, 37.0517, 31.9577
YIQ	158.3320, -13.3390, -17.0750

Conversions

Conversions Part 2

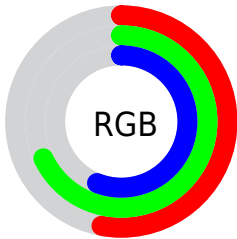
Format	Color
RYB	135, 166, 173
Decimal	8891792
CIELab	67.32, -18.80, 10.73
CIELCh	67, 21.652, 150.279
Yxy	37.0517, 0.3028, 0.3743
Android (android.graphics.Color)	4287081872 (0xFF87AD90)
YUV	158.3320, -7.0657, -20.4622
Hunter-Lab	60.8701, -18.6385, 11.4810

Details

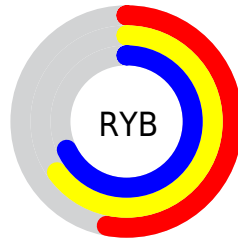
The XYZ color **29.9693, 37.0517, 31.9577** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5997, 28.8934, 38.9824**, and the grayscale version is **32.6864, 34.3887, 37.4493**.

A 20% lighter version of the original color is **59.1986, 70.9347, 63.9977**, and **12.5139, 16.3677, 13.0894** is the 20% darker color. If you saturate the color by 10%, you get **26.4580, 35.3525, 26.8304**, and if you desaturate by 10%, it is **34.0530, 39.0345, 37.7295**.

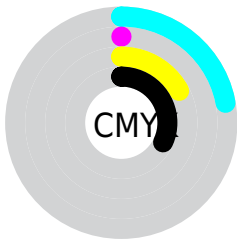
Distribution



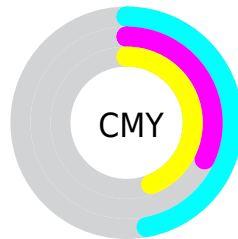
- Red (53%)
- Green (68%)
- Blue (56%)



- Red (53%)
- Yellow (65%)
- Blue (68%)



- Cyan (22%)
- Magenta (0%)
- Yellow (17%)
- Black (32%)



- Cyan (47%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9693, 37.0517, 31.9577 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 29.9693, 37.0517, 31.9577 by changing the saturation by 10% instead.

■ 29.9693, 37.0517,
31.9577

■ 29.9693, 37.0517,
31.9577

293.6737,
333.5343, 325.4133

■ 19.9632, 25.2475,
21.0646

■ 59.0006, 70.6523,
63.8419

■ 12.4764, 16.2616,
12.9796

■ 78.7565, 93.2175,
85.6701

■ 7.1435, 9.7094,
7.2839

■ 102.4931,
120.1385, 111.9805

■ 3.5991, 5.2067,
3.5592

130.5758,
151.7997, 143.1915

■ 1.4780, 2.3691,
1.3868

163.3698,
188.5855, 179.7218

■ 0.3108, 0.8099,
0.1314

201.2406,

■ 0.0000, 0.0000,

230.8802, 221.9898

0.0000

244.5534,
279.0684, 270.4141

■ 29.9693, 37.0517,
31.9577

■ 29.9693, 37.0517,
31.9577

■ 26.4580, 35.3525,
26.8304

■ 34.0530, 39.0345,
37.7295

■ 23.4902, 33.9192,
22.3227

■ 38.7302, 41.3081,
44.1646

■ 21.0391, 32.7396,
18.4119

■ 44.0249, 43.8855,
51.2841

■ 19.0741, 31.7985,
15.0728

■ 49.9584, 46.7773,
59.1073

■ 17.5616, 31.0791,
12.2784

■ 56.5514, 49.9938,
67.6529

■ 16.4632, 30.5622,
9.9995

■ 63.8235, 53.5447,
76.9388

■ 15.7343, 30.2253,
8.2042

■ 71.3862, 57.2294,
86.9633

■ 15.3441, 30.0485,
7.0866

■ 73.3810, 58.0273,
97.4680

■ 74.2343, 58.3686,
101.9614

Harmonies

Analogous

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



32.1015, 37.0517, 26.5507



29.9693, 37.0517, 31.9577



29.2231, 37.0517, 40.4318

Triad

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



29.9693, 37.0517, 31.9577



35.2475, 37.0517, 61.4731



41.0087, 37.0517, 31.8263

Complementary

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



29.9693, 37.0517, 31.9577



32.5997, 28.8934, 38.9824

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.



41.9780, 37.0517, 40.2543



29.9693, 37.0517, 31.9577



38.5268, 37.0517, 58.2366

Square

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



29.9693, 37.0517, 31.9577



32.1520, 37.0517, 58.3500



41.0431, 37.0517, 50.0800



38.4699, 37.0517, 26.4836

Rectangle

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



29.9693, 37.0517, 31.9577



29.5731, 37.0517, 47.0017



41.0431, 37.0517, 50.0800



41.5358, 37.0517, 34.3449

Sweetspot

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



29.9703, 37.0533, 31.9585



64.9065, 71.8113, 73.0004



34.6556, 39.5450, 28.7285



14.0033, 15.5565, 15.7237



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.



29.9703, 37.0533, 31.9585



50.7263, 64.9298, 52.9718



31.5353, 37.6793, 40.1999



7.9793, 8.9693, 8.9163



11.2911, 22.0817, 5.3068



0.3352, 0.6227, 0.2586

Inverse Universe

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



32.5997, 28.8934, 38.9824



56.2165, 47.8863, 67.6338



31.0198, 28.2614, 30.6628



8.2547, 8.1151, 9.6522



15.7447, 7.7604, 16.8330



0.4575, 0.2237, 0.5707

Previews

White Background



This preview shows how the XYZ color 29.9693, 37.0517, 31.9577 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 29.9693, 37.0517, 31.9577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

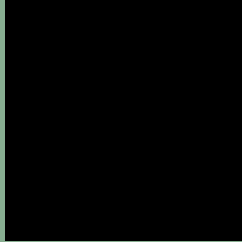
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9693, 37.0517, 31.9577

Background



This preview shows how black text looks on a background with the XYZ color 29.9693, 37.0517, 31.9577.

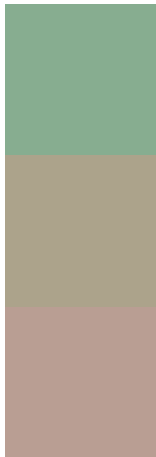


This preview shows how white text looks on a background with the XYZ color 29.9693, 37.0517,

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

29.9693, 37.0517, 31.9577

Protanopia

34.7707, 36.8291, 29.7022

Deuteranopia

37.5009, 36.8746, 32.7448



Tritanopia

33.4985, 37.0922, 49.1100

Trichromacy



Original Color

29.9693, 37.0517, 31.9577

Protanomaly

32.9245, 36.9314, 30.5925

Deuteranomaly

34.2218, 36.4852, 32.4328

Tritanomaly

32.0901, 37.0656, 42.5088

Monochromacy



Original Color

29.9693, 37.0517, 31.9577

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4246, 34.9783, 35.2322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9693, 37.0517, 31.9577 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(135, 173, 144)` looks like.

```
.text, #text, p{  
    color:rgb(135, 173, 144)  
}
```

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(135, 173, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 173, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.9693, 37.0517, 31.9577 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(135, 173, 144) }
```


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

```
.border{ border-color:rgb(135, 173, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 173, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 173, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 173, 144);  
box-shadow:4px 4px 4px 4px rgb(135, 173,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9693, 37.0517, 31.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 173, 144) }
```

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

```
.background{ background-color: rgb(135,  
173, 144) }
```

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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