

Converting Colors

XYZ(30.7957, 36.8573, 21.7107)

Have a look what the booklet for
XYZ(30.7957, 36.8573, 21.7107)
contains.

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Color

**XYZ(30.7957, 36.8573,
21.7107)**

Conversions

Conversions Part 1

Format	Color
Hex	9AAA73
RGB	154, 170, 115
RGB Percent	60%, 67%, 45%
CMY	0.3961, 0.3333, 0.5490
CMYK	0.09, 0.00, 0.32, 0.33
HSL	77°, 24%, 56%
HSV	77°, 32%, 67%
XYZ	30.7957, 36.8573, 21.7107
YIQ	158.9460, 8.1190, -20.4970

Conversions

Conversions Part 2

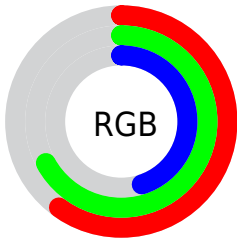
Format	Color
RYB	115, 170, 131
Decimal	10136179
CIELab	67.17, -15.07, 26.55
CIELCh	67, 30.534, 119.584
Yxy	36.8573, 0.3446, 0.4124
Android (android.graphics.Color)	4288326259 (0xFF9AAA73)
YUV	158.9460, -21.6654, -4.3376
Hunter-Lab	60.7102, -15.6974, 21.2943

Details

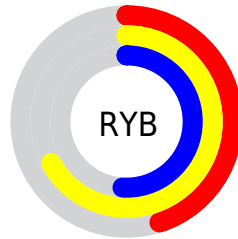
The XYZ color **30.7957, 36.8573, 21.7107** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.7479, 19.9900, 40.6918**, and the grayscale version is **33.0241, 34.7439, 37.8361**.

A 20% lighter version of the original color is **60.1948, 70.1958, 46.9358**, and **12.9413, 16.1750, 7.5943** is the 20% darker color. If you saturate the color by 10%, you get **28.9845, 36.0275, 16.9819**, and if you desaturate by 10%, it is **32.8281, 37.7825, 27.3931**.

Distribution



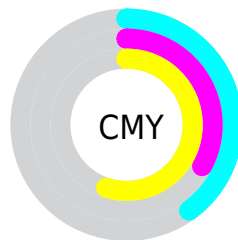
- Red (60%)
- Green (67%)
- Blue (45%)



- Red (45%)
- Yellow (67%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (32%)
- Black (33%)



- Cyan (40%)
- Magenta (33%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7957, 36.8573, 21.7107 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 30.7957, 36.8573, 21.7107 by changing the saturation by 10% instead.

■ 30.7957, 36.8573,
21.7107

■ 30.7957, 36.8573,
21.7107

297.4397,
332.6923, 273.9358

■ 20.5944, 25.0970,
13.4482

■ 60.2963, 70.3533,
47.1634

■ 12.9386, 16.1494,
7.6036

■ 80.3263, 92.8577,
65.1907

■ 7.4630, 9.6299,
3.7582

■ 104.3633,
119.7124, 87.3100

■ 3.8022, 5.1543,
1.4937

132.7725,
151.3016, 113.9399

■ 1.5908, 2.3381,
0.2132

165.9195,
188.0098, 145.4989

■ 0.3864, 0.7937,
0.0000

204.1694,

■ 0.0000, 0.0000,

230.2214, 182.4055

0.0000

247.8877,
278.3208, 225.0783

■ 30.7957, 36.8573,
21.7107

■ 30.7957, 36.8573,
21.7107

■ 28.9845, 36.0275,
16.9819

■ 32.8281, 37.7825,
27.3931

■ 27.3811, 35.2841,
13.1521

■ 35.0884, 38.8022,
34.0750

■ 25.9753, 34.6240,
10.1646

■ 37.5866, 39.9216,
41.8024

■ 24.7543, 34.0422,
7.9554

■ 40.3311, 41.1442,
50.6175

■ 23.7039, 33.5329,
6.4514

■ 43.3300, 42.4732,
60.5603

■ 22.8069, 33.0892,
5.5655

■ 46.5909, 43.9118,
71.6687

■ 22.1962, 32.7828,
5.1578

■ 50.1210, 45.4628,
83.9789

■ 53.9274, 47.1292,
97.5255

■ 55.8512, 48.0474,
100.9381

Harmonies

Analogous

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



35.0968, 36.8573, 19.5669



30.7957, 36.8573, 21.7107



27.8654, 36.8573, 28.5012

Triad

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



30.7957, 36.8573, 21.7107



30.6925, 36.8573, 66.5474



44.7670, 36.8573, 40.3179

Complementary

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



30.7957, 36.8573, 21.7107



22.7479, 19.9900, 40.6918

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.



43.3321, 36.8573, 54.5599



30.7957, 36.8573, 21.7107



34.9668, 36.8573, 71.6129

Square

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



30.7957, 36.8573, 21.7107



27.8096, 36.8573, 54.1650



39.6395, 36.8573, 66.8087



43.4071, 36.8573, 28.7587

Rectangle

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



30.7957, 36.8573, 21.7107



26.9448, 36.8573, 35.6725



39.6395, 36.8573, 66.8087



44.5938, 36.8573, 44.9470

Sweetspot

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



30.7966, 36.8589, 21.7115



64.6081, 70.8243, 64.7038



27.7338, 25.9059, 19.7588



14.2745, 15.7342, 14.0230



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.



30.7966, 36.8589, 21.7115



53.4189, 65.7480, 32.9183



26.2104, 34.4947, 21.4969



7.9311, 8.6626, 8.0433



16.3843, 24.1436, 3.7966



0.4457, 0.6117, 0.0946

Inverse Universe

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



22.7479, 19.9900, 40.6918



36.4726, 30.2112, 72.9109



27.5047, 22.4422, 40.9144



7.3293, 7.4023, 9.4608



6.3350, 2.6493, 28.1530



0.2042, 0.0902, 0.6873

Previews

White Background



This preview shows how the XYZ color 30.7957, 36.8573, 21.7107 looks on a white background.

Color Contrast Check

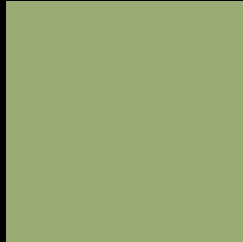
Large Text (above 18pt) WCAG AA × Fail

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 30.7957, 36.8573, 21.7107 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 30.7957, 36.8573, 21.7107

Background



This preview shows how black text looks on a background with the XYZ color 30.7957, 36.8573, 21.7107.



This preview shows how white text looks on a background with the XYZ color 30.7957, 36.8573,

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

30.7957, 36.8573, 21.7107

Protanopia

34.1533, 36.7113, 20.6152

Deuteranopia

37.4066, 36.5543, 22.2237



Tritanopia

35.5585, 36.6172, 45.7511

Trichromacy



Original Color

30.7957, 36.8573, 21.7107

Protanomaly

32.9790, 36.8997, 21.0070

Deuteranomaly

34.5462, 36.3578, 22.0266

Tritanomaly

33.5030, 36.5811, 35.4321

Monochromacy



Original Color

30.7957, 36.8573, 21.7107

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9597, 35.3457, 31.1245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7957, 36.8573, 21.7107 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(154, 170, 115)` looks like.

```
.text, #text, p{  
    color:rgb(154, 170, 115)  
}
```

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(154, 170, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 170, 115) }
```

Border

The CSS property to change the border of an element to XYZ 30.7957, 36.8573, 21.7107 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(154, 170, 115) }
```


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

```
.border{ border-color:rgb(154, 170, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 170, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 170, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 170, 115);  
box-shadow:4px 4px 4px 4px rgb(154, 170,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7957, 36.8573, 21.7107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 170, 115) }
```

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

```
.background{ background-color: rgb(154,  
170, 115) }
```

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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