

Converting Colors

XYZ(29.9576, 37.1891, 30.8130)

Have a look what the booklet for
XYZ(29.9576, 37.1891, 30.8130)
contains.

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Color

**XYZ(29.9046, 37.0445,
30.7735)**

Conversions

Conversions Part 1

Format	Color
Hex	88AD8D
RGB	136, 173, 141
RGB Percent	53%, 68%, 55%
CMY	0.4667, 0.3216, 0.4471
CMYK	0.21, 0.00, 0.18, 0.32
HSL	128°, 18%, 61%
HSV	128°, 21%, 68%
XYZ	29.9046, 37.0445, 30.7735
YIQ	158.2890, -11.7800, -17.7960

Conversions

Conversions Part 2

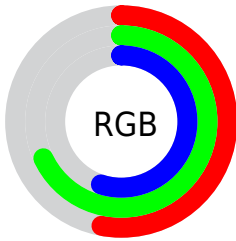
Format	Color
RYB	136, 169, 173
Decimal	8957325
CIELab	67.31, -19.03, 12.39
CIElCh	67, 22.703, 146.931
Yxy	37.0445, 0.3060, 0.3791
Android (android.graphics.Color)	4287147405 (0xFF88AD8D)
YUV	158.2890, -8.5235, -19.5475
Hunter-Lab	60.8642, -18.8094, 12.6274

Details

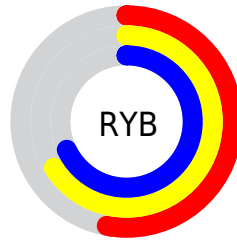
The XYZ color **29.9046, 37.0445, 30.7735** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **33.1069, 29.3204, 40.9617**, and the grayscale version is **32.6727, 34.3743, 37.4336**.

A 20% lighter version of the original color is **59.1048, 70.9259, 62.2047**, and **12.4720, 16.3614, 12.3982** is the 20% darker color. If you saturate the color by 10%, you get **26.2794, 35.2968, 25.1798**, and if you desaturate by 10%, it is **34.1358, 39.0893, 37.1823**.

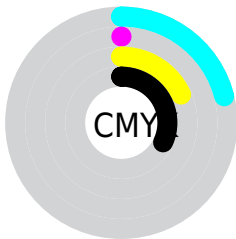
Distribution



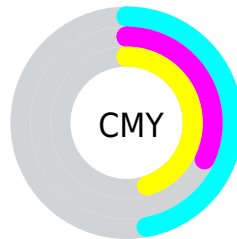
- Red (53%)
- Green (68%)
- Blue (55%)



- Red (53%)
- Yellow (66%)
- Blue (68%)



- Cyan (21%)
- Magenta (0%)
- Yellow (18%)
- Black (32%)



- Cyan (47%)
- Magenta (32%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9046, 37.0445, 30.7735 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 29.9046, 37.0445, 30.7735 by changing the saturation by 10% instead.

■ 29.9046, 37.0445,
30.7735

■ 29.9046, 37.0445,
30.7735

293.3773,
333.5031, 319.8123

■ 19.9139, 25.2419,
20.1694

■ 58.8989, 70.6412,
61.9587

■ 12.4404, 16.2574,
12.3330

■ 78.6333, 93.2042,
83.3769

■ 7.1187, 9.7065,
6.8456

■ 102.3462,
120.1227, 109.2368

■ 3.5834, 5.2048,
3.2887

130.4031,
151.7813, 139.9571

■ 1.4693, 2.3679,
1.2439

163.1693,
188.5642, 175.9563

■ 0.3048, 0.8093,
0.0151

201.0102,

■ 0.0000, 0.0000,

230.8559, 217.6528

0.0000

244.2911,
279.0407, 265.4653

■ 29.9046, 37.0445,
30.7735

■ 29.9046, 37.0445,
30.7735

■ 26.2794, 35.2968,
25.1798

■ 34.1358, 39.0893,
37.1823

■ 23.2295, 33.8279,
20.3663

■ 38.9958, 41.4393,
44.4344

■ 20.7260, 32.6247,
16.2989

■ 44.5102, 44.1080,
52.5599

■ 18.7362, 31.6712,
12.9402

■ 50.7020, 47.1066,
61.5865

■ 17.2241, 30.9497,
10.2498

■ 57.5932, 50.4459,
71.5406

■ 16.1487, 30.4399,
8.1827

■ 65.2047, 54.1363,
82.4476

■ 15.4622, 30.1183,
6.6889

■ 72.7786, 57.7864,
94.2957

■ 15.1028, 29.9520,
5.8161

■ 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.



32.2708, 37.0445, 25.5737



29.9046, 37.0445, 30.7735



28.9533, 37.0445, 39.3199

Triad

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



29.9046, 37.0445, 30.7735



34.8534, 37.0445, 62.6061



41.5055, 37.0445, 32.2781

Complementary

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



29.9046, 37.0445, 30.7735



33.1069, 29.3204, 40.9617

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.



42.3081, 37.0445, 41.3678



29.9046, 37.0445, 30.7735



38.3218, 37.0445, 59.9023

Square

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



29.9046, 37.0445, 30.7735



31.6901, 37.0445, 58.5793



41.1078, 37.0445, 51.6968



38.9807, 37.0445, 26.3368

Rectangle

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



29.9046, 37.0445, 30.7735



29.1997, 37.0445, 46.1653



41.1078, 37.0445, 51.6968



41.9925, 37.0445, 35.0178

Sweetspot

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



29.9056, 37.0461, 30.7743



65.5882, 72.1577, 73.2593



35.5517, 39.9988, 29.1395



14.1362, 15.6247, 15.7455



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.



29.9056, 37.0461, 30.7743



50.1352, 64.6933, 49.8590



31.3937, 37.6413, 38.6105



7.9469, 8.9563, 8.7456



11.1075, 22.0083, 4.3401



0.3224, 0.6176, 0.1913

Inverse Universe

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



33.1069, 29.3204, 40.9617



56.9724, 48.1886, 71.6139



31.5090, 28.6813, 32.5477



8.2898, 8.1292, 9.8369



16.6978, 8.1417, 21.8517



0.4771, 0.2315, 0.6743

Previews

White Background



This preview shows how the XYZ color 29.9046, 37.0445, 30.7735 looks on a white background.

Color Contrast Check

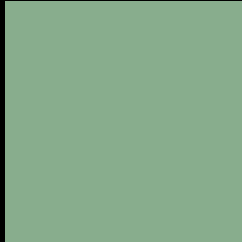
Large Text (above 18pt) WCAG AA × Fail

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 29.9046, 37.0445, 30.7735 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 29.9046, 37.0445, 30.7735

Background



This preview shows how black text looks on a background with the XYZ color 29.9046, 37.0445, 30.7735.



This preview shows how white text looks on a background with the XYZ color 29.9046, 37.0445,

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

29.9046, 37.0445, 30.7735

Protanopia

34.5544, 36.7426, 28.5634

Deuteranopia

37.3407, 36.5667, 31.4756



Tritanopia

33.6708, 37.1811, 49.1181

Trichromacy



Original Color

29.9046, 37.0445, 30.7735

Protanomaly

32.7042, 36.8433, 29.4325

Deuteranomaly

34.2036, 36.5024, 31.2295

Tritanomaly

32.0729, 37.0781, 41.5428

Monochromacy



Original Color

29.9046, 37.0445, 30.7735

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3424, 34.9454, 34.7990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9046, 37.0445, 30.7735 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, 173, 141)` looks like.

```
.text, #text, p{  
    color:rgb(136, 173, 141)  
}
```

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, 173, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 173, 141) }
```

Border

The CSS property to change the border of an element to XYZ 29.9046, 37.0445, 30.7735 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, 173, 141) }
```


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

```
.border{ border-color:rgb(136, 173, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 173, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 173, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 173, 141);  
box-shadow:4px 4px 4px 4px rgb(136, 173,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9046, 37.0445, 30.7735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 173, 141) }
```

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

```
.background{ background-color: rgb(136,  
173, 141) }
```

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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