

Converting Colors

XYZ(30.6876, 37.2161, 28.6655)

Have a look what the booklet for
XYZ(30.6876, 37.2161, 28.6655)
contains.

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Color

**XYZ(30.6273, 37.1836,
28.4846)**

Conversions

Conversions Part 1

Format	Color
Hex	90AC87
RGB	144, 172, 135
RGB Percent	56%, 67%, 53%
CMY	0.4353, 0.3255, 0.4706
CMYK	0.16, 0.00, 0.22, 0.33
HSL	105°, 18%, 60%
HSV	105°, 22%, 67%
XYZ	30.6273, 37.1836, 28.4846
YIQ	159.4100, -4.8110, -17.4430

Conversions

Conversions Part 2

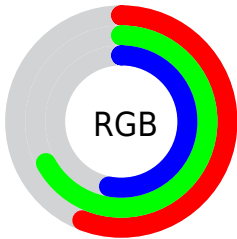
Format	Color
RYB	135, 172, 163
Decimal	9481351
CIELab	67.41, -16.76, 15.91
CIELCh	67, 23.103, 136.492
Yxy	37.1836, 0.3181, 0.3861
Android (android.graphics.Color)	4287671431 (0xFF90AC87)
YUV	159.4100, -12.0341, -13.5146
Hunter-Lab	60.9784, -17.0578, 14.9889

Details

The XYZ color **30.6273, 37.1836, 28.4846** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.2161, 28.0941, 42.8091**, and the grayscale version is **33.1982, 34.9271, 38.0356**.

A 20% lighter version of the original color is **59.8349, 70.5748, 58.0456**, and **12.8704, 16.4160, 11.0846** is the 20% darker color. If you saturate the color by 10%, you get **27.3690, 35.6338, 22.5132**, and if you desaturate by 10%, it is **34.3454, 38.9500, 35.5005**.

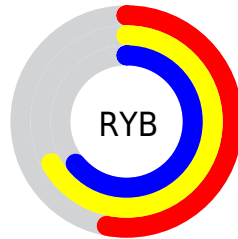
Distribution



Red (56%)

Green (67%)

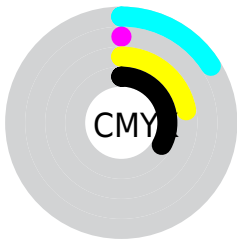
Blue (53%)



Red (53%)

Yellow (67%)

Blue (64%)

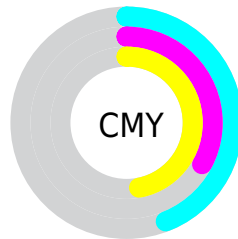


Cyan (16%)

Magenta (0%)

Yellow (22%)

Black (33%)



Cyan (44%)

Magenta (33%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6273, 37.1836, 28.4846 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 30.6273, 37.1836, 28.4846 by changing the saturation by 10% instead.


 30.6273, 37.1836,
28.4846


 30.6273, 37.1836,
28.4846


296.6752,
334.1047, 308.7598


 20.4656, 25.3497,
18.4491

 60.0327, 70.8551,
58.2896

 12.8442, 16.3378,
11.1001


 80.0071, 93.4614,
78.8961

 7.3976, 9.7635,
6.0192


 103.9831,
120.4273, 103.8634

 3.7605, 5.2424,
2.7878

132.3261,
152.1373, 133.6099

 1.5676, 2.3902,
0.9873

165.4015,
188.9756, 168.5543

 0.3711, 0.8208,
0.0000

203.5746,

 0.0000, 0.0000,

231.3266, 209.1151

0.0000

247.2107,
279.5749, 255.7107

■ 30.6273, 37.1836,
28.4846

■ 30.6273, 37.1836,
28.4846

■ 27.3690, 35.6338,
22.5132

■ 34.3454, 38.9500,
35.5005

■ 24.5494, 34.2875,
17.5339

■ 38.5377, 40.9362,
43.6048

■ 22.1499, 33.1375,
13.4936


■ 43.2213, 43.1511,
52.8420


■ 20.1494, 32.1741,
10.3335


■ 48.4117, 45.6018,
63.2534


■ 18.5250, 31.3869,
7.9876


■ 54.1238, 48.2951,
74.8783


 17.2512, 30.7644,
6.3811


 60.3717, 51.2375,
87.7539

 16.2986, 30.2935,
5.4253

 67.1040, 54.4092,
101.5730

 15.7013, 29.9952,
4.9621

 71.5635, 56.7081,
101.7817

 74.0433, 57.9865,
101.8978

Harmonies

Analogous

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



33.4428, 37.1836, 24.5115



30.6273, 37.1836, 28.4846



29.1227, 37.1836, 36.0981

Triad

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



30.6273, 37.1836, 28.4846



33.7743, 37.1836, 62.5764



42.2853, 37.1836, 35.1962

Complementary

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



30.6273, 37.1836, 28.4846



31.2161, 28.0941, 42.8091

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.



42.3889, 37.1836, 45.2172



30.6273, 37.1836, 28.4846



37.3115, 37.1836, 62.2254

Square

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



30.6273, 37.1836, 28.4846



30.8560, 37.1836, 56.3510



40.5171, 37.1836, 55.4599



40.2428, 37.1836, 27.9199

Rectangle

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



30.6273, 37.1836, 28.4846



28.9956, 37.1836, 42.7332



40.5171, 37.1836, 55.4599



42.5525, 37.1836, 38.3202

Sweetspot

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



30.6283, 37.1852, 28.4854



66.3062, 72.5544, 72.0956



34.4408, 36.6273, 28.1768



14.3069, 15.7189, 15.4690



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.



30.6283, 37.1852, 28.4854



52.5310, 66.0146, 46.0768



29.7985, 36.6789, 31.9959



8.0802, 9.0299, 8.5304



11.7266, 22.3424, 3.6945



0.3753, 0.6468, 0.1051

Inverse Universe

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



31.2161, 28.0941, 42.8091



53.7935, 46.4289, 76.9322



32.2671, 28.7350, 38.3803



8.1439, 8.0485, 10.0770



12.4625, 5.7845, 29.5042



0.3920, 0.1843, 0.8229

Previews

White Background



This preview shows how the XYZ color 30.6273, 37.1836, 28.4846 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 30.6273, 37.1836, 28.4846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

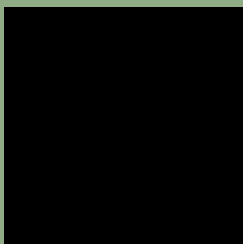
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6273, 37.1836, 28.4846

Background



This preview shows how black text looks on a background with the XYZ color 30.6273, 37.1836, 28.4846.



This preview shows how white text looks on a background with the XYZ color 30.6273, 37.1836,

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

30.6273, 37.1836, 28.4846

Protanopia

34.6495, 36.8317, 26.7557

Deuteranopia

37.8006, 37.1075, 29.2149



Tritanopia

34.5354, 37.1064, 47.9899

Trichromacy



Original Color

30.6273, 37.1836, 28.4846

Protanomaly

32.9053, 36.7249, 27.1841

Deuteranomaly

34.8461, 36.8848, 28.9498

Tritanomaly

32.8262, 36.9455, 40.0514

Monochromacy



Original Color

30.6273, 37.1836, 28.4846

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1069, 35.6230, 34.0379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6273, 37.1836, 28.4846 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(144, 172, 135)` looks like.

```
.text, #text, p{  
    color:rgb(144, 172, 135)  
}
```

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(144, 172, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 172, 135) }
```

Border

The CSS property to change the border of an element to XYZ 30.6273, 37.1836, 28.4846 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(144, 172, 135) }
```


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

```
.border{ border-color:rgb(144, 172, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 172, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 172, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 172, 135);  
box-shadow:4px 4px 4px 4px rgb(144, 172,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6273, 37.1836, 28.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 172, 135) }
```

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

```
.background{ background-color: rgb(144,  
172, 135) }
```

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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