

Converting Colors

XYZ(35.9871, 40.9949, 27.2992)

Have a look what the booklet for
XYZ(35.9871, 40.9949, 27.2992)
contains.

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Color

**XYZ(36.1322, 41.2084,
27.1687)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB082
RGB	170, 176, 130
RGB Percent	67%, 69%, 51%
CMY	0.3333, 0.3098, 0.4902
CMYK	0.03, 0.00, 0.26, 0.31
HSL	68°, 23%, 60%
HSV	68°, 26%, 69%
XYZ	36.1322, 41.2084, 27.1687
YIQ	168.9620, 11.1900, -15.5780

Conversions

Conversions Part 2

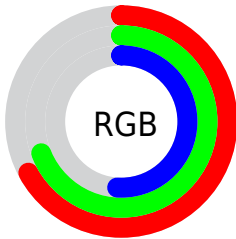
Format	Color
RYB	130, 176, 136
Decimal	11186306
CIELab	70.32, -9.87, 22.92
CIELCh	70, 24.954, 113.300
Yxy	41.2084, 0.3457, 0.3943
Android (android.graphics.Color)	4289376386 (0xFFAAB082)
YUV	168.9620, -19.2083, 0.9103
Hunter-Lab	64.1938, -11.8683, 19.8424

Details

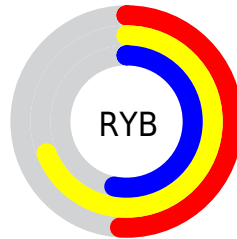
The XYZ color **36.1322, 41.2084, 27.1687** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.9739, 24.3351, 44.4047**, and the grayscale version is **37.7823, 39.7499, 43.2877**.

A 20% lighter version of the original color is **68.7679, 77.3009, 56.0959**, and **15.9917, 18.7764, 10.3708** is the 20% darker color. If you saturate the color by 10%, you get **34.5586, 40.5235, 21.4470**, and if you desaturate by 10%, it is **37.9187, 41.9823, 33.9569**.

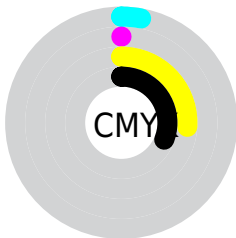
Distribution



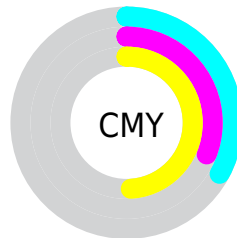
- Red (67%)
- Green (69%)
- Blue (51%)



- Red (51%)
- Yellow (69%)
- Blue (53%)



- Cyan (3%)
- Magenta (0%)
- Yellow (26%)
- Black (31%)



- Cyan (33%)
- Magenta (31%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1322, 41.2084, 27.1687 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 36.1322, 41.2084, 27.1687 by changing the saturation by 10% instead.

■ 36.1322, 41.2084,
27.1687

■ 36.1322, 41.2084,
27.1687

320.9592,
351.1909, 302.2590

■ 24.7069, 28.4820,
17.4664

■ 68.5586, 77.0002,
56.1615

■ 15.9864, 18.6893,
10.4021

■ 90.2904, 100.8343,
76.2891

■ 9.6053, 11.4460,
5.5573

■ 116.1884,
129.1397, 100.7288

■ 5.1983, 6.3676,
2.5134

146.6180,
162.3009, 129.8992

■ 2.4000, 3.0699,
0.8473

181.9445,
200.7022, 164.2189

■ 0.8451, 1.1683,
0.0000

222.5333,

■ 0.0000, 0.0356,

244.7280, 204.1064

0.0000

268.7497,
294.7628, 249.9803

■ 0.0000, 0.0000,
0.0000

■ 36.1322, 41.2084,
27.1687

■ 36.1322, 41.2084,
27.1687

■ 34.5586, 40.5235,
21.4470

■ 37.9187, 41.9823,
33.9569

■ 33.1845, 39.9180,
16.7350

■ 39.9245, 42.8435,
41.8593

■ 31.9996, 39.3891,
12.9746

■ 42.1597, 43.7974,
50.9239

■ 30.9915, 38.9320,
10.1009

■ 44.6327, 44.8476,
61.1951

■ 30.1463, 38.5411,
8.0407

■ 47.3517, 45.9971,
72.7148

■ 29.4479, 38.2098,
6.7092

■ 50.3241, 47.2490,
85.5233

■ 28.8750, 37.9296,
5.9945

■ 53.5574, 48.6063,
99.6586

■ 28.6696, 37.8280,
5.7905

■ 54.4081, 49.0116,
101.2003

■ 54.9800, 49.3064,
101.2271

Harmonies

Analogous

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



40.0939, 41.2084, 25.9794



36.1322, 41.2084, 27.1687



33.1826, 41.2084, 32.6875

Triad

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



36.1322, 41.2084, 27.1687



34.6441, 41.2084, 65.5059



47.5269, 41.2084, 47.5538

Complementary

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



36.1322, 41.2084, 27.1687



25.9739, 24.3351, 44.4047

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.



45.8316, 41.2084, 59.7533



36.1322, 41.2084, 27.1687



38.2551, 41.2084, 71.2236

Square

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



36.1322, 41.2084, 27.1687



32.3663, 41.2084, 54.4012



42.3679, 41.2084, 68.9532



46.8601, 41.2084, 36.5207

Rectangle

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



36.1322, 41.2084, 27.1687



32.0938, 41.2084, 38.6910



42.3679, 41.2084, 68.9532



47.2107, 41.2084, 51.6718

Sweetspot

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



36.1333, 41.2102, 27.1696



71.6446, 77.3737, 72.8786



30.6503, 28.2733, 24.9615



15.4069, 16.7168, 15.3191



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



36.1333, 41.2102, 27.1696



63.9404, 74.0458, 43.4305



31.7025, 38.9261, 26.9622



9.0858, 9.8493, 9.0748



21.0693, 27.7717, 4.2500



0.6931, 0.8894, 0.1351

Inverse Universe

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



25.9739, 24.3351, 44.4047



42.5722, 38.5455, 79.6915



29.9932, 26.4071, 44.5928



8.1417, 8.2816, 10.6757



6.0376, 2.4483, 30.2913



0.2226, 0.0938, 0.9546

Previews

White Background



This preview shows how the XYZ color 36.1322, 41.2084, 27.1687 looks on a white background.

Color Contrast Check

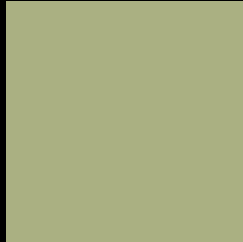
Large Text (above 18pt) WCAG AA × Fail

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 36.1322, 41.2084, 27.1687 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

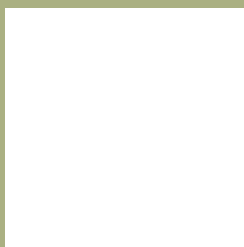
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1322, 41.2084, 27.1687

Background



This preview shows how black text looks on a background with the XYZ color 36.1322, 41.2084, 27.1687.



This preview shows how white text looks on a background with the XYZ color 36.1322, 41.2084,

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

36.1322, 41.2084, 27.1687

Protanopia

38.4160, 41.2539, 26.3601

Deuteranopia

41.9771, 41.1328, 27.5568



Tritanopia

40.7629, 41.1004, 50.0407

Trichromacy



Original Color

36.1322, 41.2084, 27.1687

Protanomaly

37.4964, 41.0558, 26.7172

Deuteranomaly

39.5199, 40.9618, 27.2962

Tritanomaly

38.8189, 41.1481, 40.5467

Monochromacy



Original Color

36.1322, 41.2084, 27.1687

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0311, 40.3066, 36.8386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1322, 41.2084, 27.1687 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(170, 176, 130)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 130)  
}
```

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(170, 176, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 130) }
```

Border

The CSS property to change the border of an element to XYZ 36.1322, 41.2084, 27.1687 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(170, 176, 130) }
```


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

```
.border{ border-color:rgb(170, 176, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 176, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 130);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1322, 41.2084, 27.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 130) }
```

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

```
.background{ background-color: rgb(170,  
176, 130) }
```

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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