

Converting Colors

XYZ(37.4813, 42.3792, 26.8350)

Have a look what the booklet for
XYZ(37.4813, 42.3792, 26.8350)
contains.

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Color

**XYZ(37.5620, 42.5397,
27.0001)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB281
RGB	175, 178, 129
RGB Percent	69%, 70%, 51%
CMY	0.3137, 0.3019, 0.4941
CMYK	0.02, 0.00, 0.28, 0.30
HSL	64°, 24%, 60%
HSV	64°, 28%, 70%
XYZ	37.5620, 42.5397, 27.0001
YIQ	171.5170, 13.9410, -15.8750

Conversions

Conversions Part 2

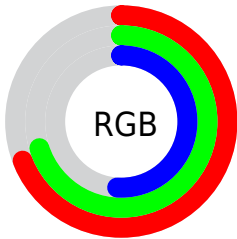
Format	Color
RYB	129, 178, 132
Decimal	11514497
CIELab	71.24, -9.12, 24.77
CIELCh	71, 26.391, 110.214
Yxy	42.5397, 0.3507, 0.3972
Android (android.graphics.Color)	4289704577 (0xFFAFB281)
YUV	171.5170, -20.9609, 3.0546
Hunter-Lab	65.2225, -11.3401, 21.1115

Details

The XYZ color **37.5620, 42.5397, 27.0001** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.4035, 23.8215, 45.3810**, and the grayscale version is **39.0671, 41.1016, 44.7597**.

A 20% lighter version of the original color is **70.8213, 79.2120, 55.8127**, and **16.7709, 19.3693, 10.2519** is the 20% darker color. If you saturate the color by 10%, you get **36.2369, 41.9829, 21.2907**, and if you desaturate by 10%, it is **39.0974, 43.1838, 33.7970**.

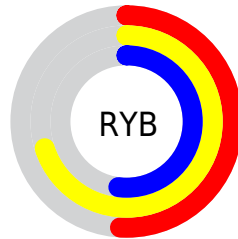
Distribution



Red (69%)

Green (70%)

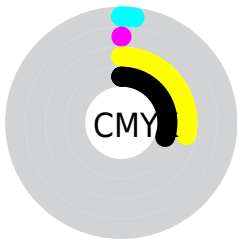
Blue (51%)



Red (51%)

Yellow (70%)

Blue (52%)

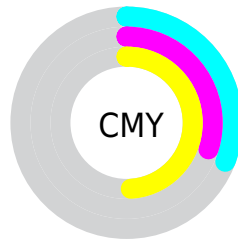


Cyan (2%)

Magenta (0%)

Yellow (28%)

Black (30%)



Cyan (31%)


Magenta (30%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5620, 42.5397, 27.0001 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 37.5620, 42.5397, 27.0001 by changing the saturation by 10% instead.


 37.5620, 42.5397,
27.0001


 37.5620, 42.5397,
27.0001


327.0508,
356.7154, 301.4178


 25.8186, 29.5241,
17.3409


 70.7445, 79.0158,
55.8878

 16.8199, 19.4777,
10.3133


 92.9144, 103.2451,
75.9533

 10.2007, 12.0159,
5.4989


 119.2904,
131.9811, 100.3246

 5.5955, 6.7545,
2.4790

150.2380,
165.6082, 129.4203

 2.6390, 3.3091,
0.8290

186.1224,
204.5108, 163.6590

 0.9659, 1.2951,
0.0000

227.3091,

 0.0000, 0.1374,

249.0732, 203.4591

0.0000

274.1635,
299.6799, 249.2392

■ 0.0000, 0.0000,
0.0000

■ 37.5620, 42.5397,
27.0001

■ 37.5620, 42.5397,
27.0001

■ 36.2369, 41.9829,
21.2907

■ 39.0974, 43.1838,
33.7970

■ 35.1081, 41.5035,
16.6098

■ 40.8498, 43.9134,
41.7310

■ 34.1652, 41.0986,
12.8970

■ 42.8296, 44.7341,
50.8518

■ 33.3951, 40.7630,
10.0843

■ 45.0454, 45.6496,
61.2054

■ 32.7833, 40.4910,
8.0951

■ 47.5056, 46.6630,
72.8354

■ 32.3129, 40.2758,
6.8401

■ 50.2181, 47.7775,
85.7831

■ 31.9581, 40.1071,
6.1834

■ 53.1903, 48.9962,
100.0882

■ 31.8769, 40.0680,
6.0538

■ 53.6741, 49.2198,
101.2792

■ 53.9360, 49.3548,
101.2914

Harmonies

Analogous

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



41.8969, 42.5397, 26.2076



37.5620, 42.5397, 27.0001



34.2375, 42.5397, 32.4033

Triad

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



37.5620, 42.5397, 27.0001



35.2262, 42.5397, 67.6927



49.4153, 42.5397, 50.5871

Complementary

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



37.5620, 42.5397, 27.0001



25.4035, 23.8215, 45.3810

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.



47.3335, 42.5397, 63.7370



37.5620, 42.5397, 27.0001



39.0030, 42.5397, 74.7374

Square

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



37.5620, 42.5397, 27.0001



32.9587, 42.5397, 55.2637



43.4461, 42.5397, 73.1706



48.9589, 42.5397, 38.3948

Rectangle

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



37.5620, 42.5397, 27.0001



32.9397, 42.5397, 38.5462



43.4461, 42.5397, 73.1706



48.9836, 42.5397, 55.0711

Sweetspot

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



37.5631, 42.5416, 27.0010



73.8693, 79.5445, 74.7350



30.5008, 27.4048, 24.4515



16.2554, 17.5772, 16.0547



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.5631, 42.5416, 27.0010



66.6176, 76.5126, 42.4765



32.6562, 40.0120, 26.7714



9.1446, 9.8796, 9.0775



22.8265, 28.6776, 4.3322



0.7336, 0.9102, 0.1370

Inverse Universe

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



25.4035, 23.8215, 45.3810



40.9038, 36.9206, 81.3517



29.5881, 25.9787, 45.5768



8.0886, 8.2542, 10.6732



5.8672, 2.3604, 30.2834



0.2005, 0.0825, 0.9536

Previews

White Background



This preview shows how the XYZ color 37.5620, 42.5397, 27.0001 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 37.5620, 42.5397, 27.0001 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

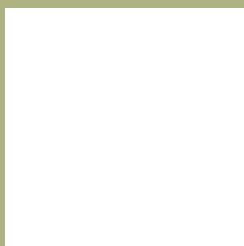
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5620, 42.5397, 27.0001

Background



This preview shows how black text looks on a background with the XYZ color 37.5620, 42.5397, 27.0001.



This preview shows how white text looks on a background with the XYZ color 37.5620, 42.5397,

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

37.5620, 42.5397, 27.0001

Protanopia

39.4603, 42.3692, 26.1770

Deuteranopia

43.0923, 42.2553, 27.3576



Tritanopia

42.5060, 42.5316, 51.3165

Trichromacy



Original Color

37.5620, 42.5397, 27.0001

Protanomaly

38.7547, 42.2857, 26.5414

Deuteranomaly

40.8403, 42.2069, 27.1133

Tritanomaly

40.4273, 42.5361, 41.2015

Monochromacy



Original Color

37.5620, 42.5397, 27.0001

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.3704, 41.5566, 37.4514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5620, 42.5397, 27.0001 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(175, 178, 129)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 129)  
}
```

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(175, 178, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 129) }
```

Border

The CSS property to change the border of an element to XYZ 37.5620, 42.5397, 27.0001 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(175, 178, 129) }
```


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

```
.border{ border-color:rgb(175, 178, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 129);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5620, 42.5397, 27.0001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 129) }
```

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

```
.background{ background-color: rgb(175,  
178, 129) }
```

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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