

Converting Colors

XYZ(37.4971, 44.9765, 27.9394)

Have a look what the booklet for
XYZ(37.4971, 44.9765, 27.9394)
contains.

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Color

**XYZ(37.5245, 44.9450,
27.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BA82
RGB	167, 186, 130
RGB Percent	65%, 73%, 51%
CMY	0.3451, 0.2706, 0.4902
CMYK	0.10, 0.00, 0.30, 0.27
HSL	80°, 29%, 62%
HSV	80°, 30%, 73%
XYZ	37.5245, 44.9450, 27.8166
YIQ	173.9350, 6.6520, -21.4440

Conversions

Conversions Part 2

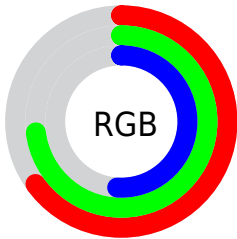
Format	Color
RYB	130, 186, 149
Decimal	10992258
CIELab	72.86, -16.20, 26.29
CIELCh	73, 30.884, 121.635
Yxy	44.9450, 0.3402, 0.4075
Android (android.graphics.Color)	4289182338 (0xFFA7BA82)
YUV	173.9350, -21.6600, -6.0820
Hunter-Lab	67.0410, -17.4110, 22.3282

Details

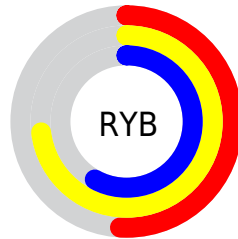
The XYZ color **37.5245, 44.9450, 27.8166** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.2418, 25.9012, 49.9151**, and the grayscale version is **40.3050, 42.4040, 46.1780**.

A 20% lighter version of the original color is **70.7308, 82.6111, 57.0174**, and **16.7749, 20.9317, 10.7455** is the 20% darker color. If you saturate the color by 10%, you get **35.0865, 43.8210, 21.7641**, and if you desaturate by 10%, it is **40.2557, 46.1968, 35.0628**.

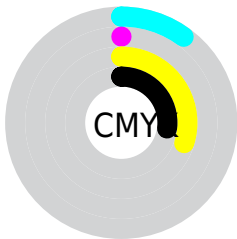
Distribution



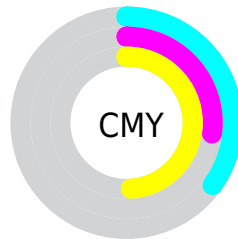
- Red (65%)
- Green (73%)
- Blue (51%)



- Red (51%)
- Yellow (73%)
- Blue (58%)



- Cyan (10%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5245, 44.9450, 27.8166 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 37.5245, 44.9450, 27.8166 by changing the saturation by 10% instead.

■ 37.5245, 44.9450,
27.8166

■ 37.5245, 44.9450,
27.8166

326.8920,
366.5508, 305.4738

■ 25.7894, 31.4141,
17.9496

■ 70.6873, 82.6379,
57.2111

■ 16.7980, 20.9144,
10.7448

■ 92.8458, 107.5686,
77.5756

■ 10.1850, 13.0614,
5.7835

■ 119.2094,
137.0682, 102.2765

■ 5.5850, 7.4709,
2.6472

150.1435,
171.5208, 131.7322

■ 2.6327, 3.7583,
0.9167

186.0134,
211.3110, 166.3612

■ 0.9626, 1.5393,
0.0000

227.1846,

■ 0.0000, 0.3161,

256.8231, 206.5821

0.0000

274.0223,
308.4416, 252.8135

■ 0.0000, 0.0000,
0.0000

■ 37.5245, 44.9450,
27.8166

■ 37.5245, 44.9450,
27.8166

■ 35.0865, 43.8210,
21.7641

■ 40.2557, 46.1968,
35.0628

■ 32.9250, 42.8135,
16.8383

■ 43.2887, 47.5755,
43.5590

■ 31.0270, 41.9187,
12.9699


■ 46.6361, 49.0876,
53.3616


■ 29.3768, 41.1302,
10.0809


■ 50.3085, 50.7376,
64.5227


■ 27.9565, 40.4408,
8.0826

■ 54.3163, 52.5297,
77.0914


 26.7451, 39.8419,
6.8702

 58.6691, 54.4677,
91.1145

 25.7118, 39.3222,
6.2348

 62.5266, 56.2158,
102.1630

 64.3728, 57.1675,
102.2494

 66.2908, 58.1563,
102.3391

Harmonies

Analogous

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



42.4246, 44.9450, 24.9143



37.5245, 44.9450, 27.8166



34.2554, 44.9450, 36.1805

Triad

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



37.5245, 44.9450, 27.8166



37.9950, 44.9450, 79.8734



53.9039, 44.9450, 48.0977

Complementary

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



37.5245, 44.9450, 27.8166



29.2418, 25.9012, 49.9151

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.



52.4728, 44.9450, 64.3877



37.5245, 44.9450, 27.8166



43.0145, 44.9450, 84.8837

Square

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



37.5245, 44.9450, 27.8166



34.5106, 44.9450, 66.1604



48.3718, 44.9450, 78.7083



52.1353, 44.9450, 34.9974

Rectangle

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



37.5245, 44.9450, 27.8166



33.2886, 44.9450, 44.7571



48.3718, 44.9450, 78.7083



53.7805, 44.9450, 53.3704

Sweetspot

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



37.5256, 44.9470, 27.8176



79.0161, 86.4811, 80.5492



34.9754, 33.4418, 25.7313



17.2139, 18.9600, 17.2023



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.5256, 44.9470, 27.8176



65.0872, 80.1158, 43.0614



32.2928, 42.2494, 27.5727



9.4462, 10.3467, 9.6061



17.3797, 26.4959, 4.1982



0.6759, 0.9667, 0.1510

Inverse Universe

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



29.2418, 25.9012, 49.9151



47.7121, 40.1507, 89.4366



34.9028, 28.8196, 50.1800



8.8007, 8.8636, 11.3264



7.4196, 3.1362, 31.4674



0.3293, 0.1455, 1.1125

Previews

White Background



This preview shows how the XYZ color 37.5245, 44.9450, 27.8166 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 37.5245, 44.9450, 27.8166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

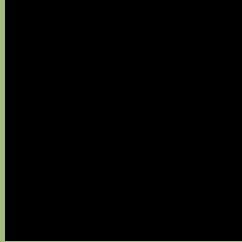
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5245, 44.9450, 27.8166

Background



This preview shows how black text looks on a background with the XYZ color 37.5245, 44.9450, 27.8166.



This preview shows how white text looks on a background with the XYZ color 37.5245, 44.9450,

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

37.5245, 44.9450, 27.8166

Protanopia

41.4894, 44.5796, 26.4967

Deuteranopia

45.6605, 44.6682, 28.4055



Tritanopia

43.3393, 44.8767, 56.2470

Trichromacy



Original Color

37.5245, 44.9450, 27.8166

Protanomaly

39.9486, 44.6735, 26.9394

Deuteranomaly

42.1959, 44.3187, 28.1602

Tritanomaly

40.9189, 44.7966, 44.0261

Monochromacy



Original Color

37.5245, 44.9450, 27.8166

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.8865, 42.9673, 38.5917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5245, 44.9450, 27.8166 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(167, 186, 130)` looks like.

```
.text, #text, p{  
    color:rgb(167, 186, 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(167, 186, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 186, 130) }
```

Border

The CSS property to change the border of an element to XYZ 37.5245, 44.9450, 27.8166 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(167, 186, 130) }
```


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

```
.border{ border-color:rgb(167, 186, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 186, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 186, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 186, 130);  
box-shadow:4px 4px 4px 4px rgb(167, 186,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5245, 44.9450, 27.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 186, 130) }
```

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

```
.background{ background-color: rgb(167,  
186, 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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