

Converting Colors

XYZ(37.9363, 36.1603, 24.8382)

Have a look what the booklet for
XYZ(37.9363, 36.1603, 24.8382)
contains.

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Color

**XYZ(38.0864, 36.3533,
24.7482)**

Conversions

Conversions Part 1

Format	Color
Hex	C49A7E
RGB	196, 154, 126
RGB Percent	77%, 60%, 49%
CMY	0.2314, 0.3961, 0.5059
CMYK	0.00, 0.21, 0.36, 0.23
HSL	24°, 37%, 63%
HSV	24°, 36%, 77%
XYZ	38.0864, 36.3533, 24.7482
YIQ	163.3660, 34.0200, 0.1960

Conversions

Conversions Part 2

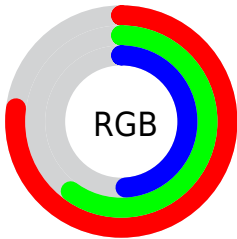
Format	Color
R_{YB}	196, 173, 126
Decimal	12884606
CIE _{Lab}	66.79, 11.77, 20.68
CIE _{LCh}	67, 23.799, 60.354
Yxy	36.3533, 0.3840, 0.3665
Android (android.graphics.Color)	4291074686 (0xFFC49A7E)
YUV	163.3660, -18.4214, 28.6200
Hunter-Lab	60.2937, 7.2411, 17.8694

Details

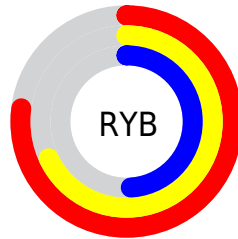
The XYZ color **38.0864, 36.3533, 24.7482** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.5701, 36.4251, 57.5386**, and the grayscale version is **35.0597, 36.8855, 40.1683**.

A 20% lighter version of the original color is **71.5656, 69.4373, 52.2786**, and **17.1743, 15.8990, 9.1848** is the 20% darker color. If you saturate the color by 10%, you get **35.0970, 32.2041, 18.1116**, and if you desaturate by 10%, it is **41.5156, 40.9853, 32.7547**.

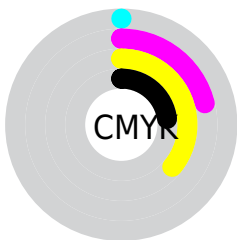
Distribution



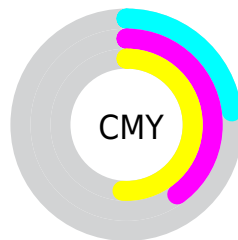
- Red (77%)
- Green (60%)
- Blue (49%)



- Red (77%)
- Yellow (68%)
- Blue (49%)



- Cyan (0%)
- Magenta (21%)
- Yellow (36%)
- Black (23%)





- Cyan (23%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0864, 36.3533, 24.7482 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 38.0864, 36.3533, 24.7482 by changing the saturation by 10% instead.


 38.0864, 36.3533,
24.7482


 38.0864, 36.3533,
24.7482

329.2649,
330.5021, 289.9891


 26.2273, 24.7072,
15.6722


 71.5436, 69.5770,
52.2075

 17.1273, 15.8590,
9.1407


 93.8724, 91.9234,
71.4279

 10.4212, 9.4245,
4.7350


 120.4217,
118.6054, 94.8669

 5.7435, 5.0191,
2.0366

151.5570,
150.0073, 122.9429

 2.7289, 2.2584,
0.5777

187.6437,
186.5135, 156.0746

 1.0121, 0.7516,
0.0000

229.0469,

 0.0000, 0.0000,

228.5084, 194.6805

0.0000

276.1322,
276.3765, 239.1792

■ 38.0864, 36.3533,
24.7482

■ 38.0864, 36.3533,
24.7482

■ 35.0970, 32.2041,
18.1116

■ 41.5156, 40.9853,
32.7547

■ 32.5247, 28.5159,
12.7642

■ 45.4004, 46.1108,
42.2009

■ 30.3487, 25.2726,
8.6205


■ 49.7591, 51.7465,
53.1546


■ 28.5448, 22.4550,
5.5831


■ 54.6082, 57.9067,
65.6784


■ 27.0858, 20.0421,
3.5396


■ 59.9634, 64.6051,
79.8316

 25.9389, 18.0101,
2.3504

 65.8394, 71.8548,
95.6702

 25.5187, 17.2432,
1.9833

 70.9016, 79.1291,
106.1443

 74.4055, 86.1369,
107.3122

 76.5749, 90.4757,
108.0354

Harmonies

Analogous

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



40.8683, 36.3533, 30.3966



38.0864, 36.3533, 24.7482



34.5101, 36.3533, 22.9013

Triad

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



38.0864, 36.3533, 24.7482



28.0903, 36.3533, 39.7049



38.1653, 36.3533, 59.2438

Complementary

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



38.0864, 36.3533, 24.7482



32.5701, 36.4251, 57.5386

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.



34.5954, 36.3533, 62.8659



38.0864, 36.3533, 24.7482



28.9238, 36.3533, 50.4545

Square

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



38.0864, 36.3533, 24.7482



28.8859, 36.3533, 30.5745



31.2447, 36.3533, 59.4039



40.9160, 36.3533, 50.2060

Rectangle

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



38.0864, 36.3533, 24.7482



32.2035, 36.3533, 23.7702



31.2447, 36.3533, 59.4039



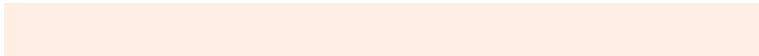
37.0135, 36.3533, 61.1986

Sweetspot

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



38.0873, 36.3550, 24.7489



85.7228, 88.0524, 85.1146



37.2939, 29.4850, 40.7716



18.1184, 18.5491, 17.6427



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.0873, 36.3550, 24.7489



64.6221, 59.8036, 35.0671



44.7285, 49.6373, 26.9627



10.3965, 10.7244, 10.5839



16.4762, 11.2381, 1.3008



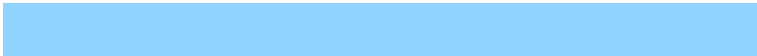
0.7793, 0.6204, 0.0787

Inverse Universe

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



32.5701, 36.4251, 57.5386



53.1162, 59.9264, 103.3752



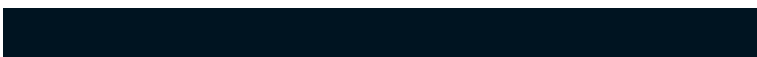
26.9559, 25.1966, 55.6672



10.0195, 10.7304, 12.8279



10.6198, 10.9962, 35.1194



0.5248, 0.6070, 1.5394

Previews

White Background



This preview shows how the XYZ color 38.0864, 36.3533, 24.7482 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 38.0864, 36.3533, 24.7482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

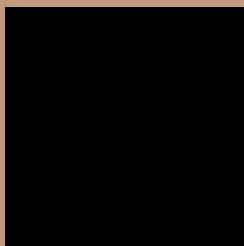
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0864, 36.3533, 24.7482

Background



This preview shows how black text looks on a background with the XYZ color 38.0864, 36.3533, 24.7482.



This preview shows how white text looks on a background with the XYZ color 38.0864, 36.3533,

24.7482.

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

38.0864, 36.3533, 24.7482

Protanopia

34.1832, 36.3366, 26.3311

Deuteranopia

37.1402, 36.3597, 24.7993



Tritanopia

40.9999, 36.3475, 38.5730

Trichromacy



Original Color

38.0864, 36.3533, 24.7482

Protanomaly

35.4166, 36.2050, 25.8905

Deuteranomaly

37.4796, 36.2865, 24.7673

Tritanomaly

39.9651, 36.4134, 32.9391

Monochromacy



Original Color

38.0864, 36.3533, 24.7482

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.7550, 36.4576, 34.0067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0864, 36.3533, 24.7482 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(196, 154, 126)` looks like.

```
.text, #text, p{  
    color:rgb(196, 154, 126)  
}
```

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(196, 154, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 154, 126) }
```

Border

The CSS property to change the border of an element to XYZ 38.0864, 36.3533, 24.7482 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(196, 154, 126) }
```


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

```
.border{ border-color:rgb(196, 154, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 154, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 154, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 154, 126);  
box-shadow:4px 4px 4px 4px rgb(196, 154,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0864, 36.3533, 24.7482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 154, 126) }
```

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

```
.background{ background-color: rgb(196,  
154, 126) }
```

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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