

Converting Colors

XYZ(42.4953, 37.7196, 22.1804)

Have a look what the booklet for
XYZ(42.4953, 37.7196, 22.1804)
contains.

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Color

**XYZ(42.4953, 37.7196,
22.1804)**

Conversions

Conversions Part 1

Format	Color
Hex	D89676
RGB	216, 150, 118
RGB Percent	85%, 59%, 46%
CMY	0.1529, 0.4117, 0.5372
CMYK	0.00, 0.31, 0.45, 0.15
HSL	20°, 56%, 65%
HSV	20°, 45%, 85%
XYZ	42.4953, 37.7196, 22.1804
YIQ	166.0860, 49.6080, 4.0400

Conversions

Conversions Part 2

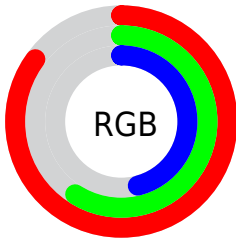
Format	Color
R _Y B	216, 166, 118
Decimal	14194294
CIE Lab	67.81, 21.06, 26.83
CIE LCh	68, 34.108, 51.861
Yxy	37.7196, 0.4150, 0.3684
Android (android.graphics.Color)	4292384374 (0xFFD89676)
YUV	166.0860, -23.7064, 43.7746
Hunter-Lab	61.4163, 16.0296, 21.5789

Details

The XYZ color **42.4953, 37.7196, 22.1804** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.0057, 43.0888, 71.3323**, and the grayscale version is **36.3821, 38.2769, 41.6835**.

A 20% lighter version of the original color is **70.0886, 67.3480, 47.3356**, and **19.8341, 16.7243, 7.8130** is the 20% darker color. If you saturate the color by 10%, you get **39.1770, 32.9074, 15.4504**, and if you desaturate by 10%, it is **46.3976, 43.2294, 30.5558**.

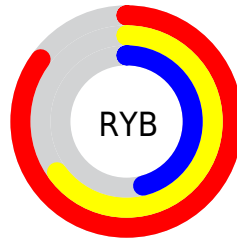
Distribution



Red (85%)

Green (59%)

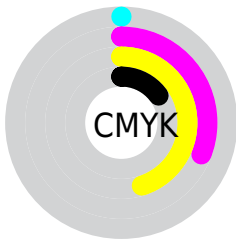
Blue (46%)



Red (85%)

Yellow (65%)

Blue (46%)

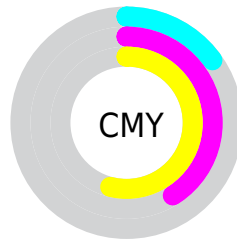


Cyan (0%)

Magenta (31%)

Yellow (45%)

Black (15%)



Cyan (15%)

Magenta (41%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4953, 37.7196, 22.1804 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 42.4953, 37.7196, 22.1804 by changing the saturation by 10% instead.

42.4953, 37.7196,
22.1804

42.4953, 37.7196,
22.1804

347.4889,
336.4156, 276.4711

29.6821, 25.7651,
13.7899

78.2092, 71.6782,
47.9500

19.7443, 16.6480,
7.8376

101.8406, 94.4510,
66.1662

12.3165, 9.9839,
3.9049

129.8087,
121.5988, 88.4947

7.0333, 5.3883,
1.5733

162.4791,
153.5060, 115.3541

3.5295, 2.4768,
0.2717

200.2169,
190.5568, 147.1629

1.4396, 0.8650,
0.0000

243.3875,

0.2841, 0.0000,

233.1358, 184.3396

0.0000

292.3564,
281.6272, 227.3029

0.0000, 0.0000,
0.0000

42.4953, 37.7196,
22.1804

42.4953, 37.7196,
22.1804

39.1770, 32.9074,
15.4504

46.3976, 43.2294,
30.5558

36.4090, 28.7580,
10.2529

50.9093, 49.4585,
40.6746

34.1582, 25.2419,
6.4643


56.0580, 56.4346,
52.6298


32.3860, 22.3245,
3.9404


61.8683, 64.1819,
66.5070


31.0469, 19.9673,
2.5049

68.3635, 72.7239,
82.3865

 30.5431, 19.0472,
2.0667

 75.5660, 82.0828,
100.3438

 81.1250, 91.3311,
107.9607

 82.1289, 93.3389,
108.2953

Harmonies

Analogous

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



46.1256, 37.7196, 31.1653



42.4953, 37.7196, 22.1804



37.3083, 37.7196, 18.4840

Triad

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



42.4953, 37.7196, 22.1804



26.7093, 37.7196, 37.0890



39.7669, 37.7196, 74.4053

Complementary

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



42.4953, 37.7196, 22.1804



37.0057, 43.0888, 71.3323

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.



34.4328, 37.7196, 77.1099



42.4953, 37.7196, 22.1804



27.2287, 37.7196, 52.8787

Square

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



42.4953, 37.7196, 22.1804



28.4430, 37.7196, 25.6008



29.9387, 37.7196, 68.4527



44.4458, 37.7196, 61.7757

Rectangle

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



42.4953, 37.7196, 22.1804



33.8044, 37.7196, 18.6773



29.9387, 37.7196, 68.4527



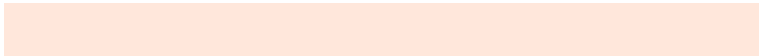
37.9793, 37.7196, 76.6119

Sweetspot

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



42.4962, 37.7214, 22.1811



82.6301, 83.5191, 78.9908



43.5510, 31.0575, 49.5801



17.3139, 17.3762, 16.0294



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.



42.4962, 37.7214, 22.1811



57.4365, 48.4872, 23.2540



51.7908, 56.3105, 25.2793



12.7512, 13.0765, 13.0127



18.1662, 11.4497, 1.2525



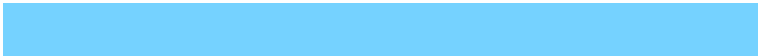
1.1702, 0.8395, 0.1004

Inverse Universe

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



37.0057, 43.0888, 71.3323



48.4805, 57.1308, 103.0799



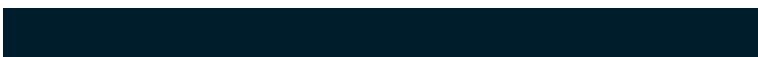
28.6657, 26.4088, 68.5523



12.4345, 13.3924, 15.8671



13.4733, 15.2084, 40.6785



0.8866, 1.0652, 2.4782

Previews

White Background



This preview shows how the XYZ color 42.4953, 37.7196, 22.1804 looks on a white background.

Color Contrast Check

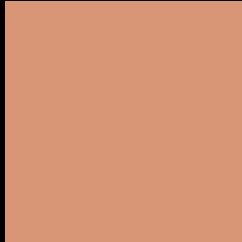
Large Text (above 18pt) WCAG AA × Fail

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 42.4953, 37.7196, 22.1804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

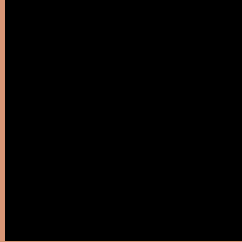
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4953, 37.7196, 22.1804

Background



This preview shows how black text looks on a background with the XYZ color 42.4953, 37.7196, 22.1804.



This preview shows how white text looks on a background with the XYZ color 42.4953, 37.7196,

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

42.4953, 37.7196, 22.1804

Protanopia

35.2883, 37.7380, 24.8263

Deuteranopia

38.5765, 37.9275, 21.8105



Tritanopia

45.3396, 37.7112, 36.3418

Trichromacy



Original Color

42.4953, 37.7196, 22.1804

Protanomaly

37.5695, 37.6231, 23.6942

Deuteranomaly

40.0012, 37.8987, 22.0365

Tritanomaly

44.2296, 37.7259, 30.5418

Monochromacy



Original Color

42.4953, 37.7196, 22.1804

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.7628, 37.5019, 33.6820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4953, 37.7196, 22.1804 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(216, 150, 118)` looks like.

```
.text, #text, p{  
    color:rgb(216, 150, 118)  
}
```

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(216, 150, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 150, 118) }
```

Border

The CSS property to change the border of an element to XYZ 42.4953, 37.7196, 22.1804 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(216, 150, 118) }
```


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

```
.border{ border-color:rgb(216, 150, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 150, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 150, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 150, 118);  
box-shadow:4px 4px 4px 4px rgb(216, 150,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4953, 37.7196, 22.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 150, 118) }
```

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

```
.background{ background-color: rgb(216,  
150, 118) }
```

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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