

Converting Colors

XYZ(47.8499, 51.9868, 22.8417)

Have a look what the booklet for
XYZ(47.8499, 51.9868, 22.8417)
contains.

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Color

**XYZ(47.8499, 51.9868,
22.8417)**

Conversions

Conversions Part 1

Format	Color
Hex	D1BF70
RGB	209, 191, 112
RGB Percent	82%, 75%, 44%
CMY	0.1804, 0.2510, 0.5608
CMYK	0.00, 0.09, 0.46, 0.18
HSL	49°, 51%, 63%
HSV	49°, 46%, 82%
XYZ	47.8499, 51.9868, 22.8417
YIQ	187.3760, 36.0870, -20.7530

Conversions

Conversions Part 2

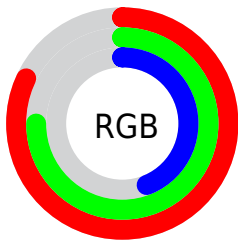
Format	Color
RYB	134, 209, 112
Decimal	13746032
CIELab	77.27, -4.28, 41.98
CIElCh	77, 42.196, 95.824
Yxy	51.9868, 0.3900, 0.4238
Android (android.graphics.Color)	4291936112 (0xFFD1BF70)
YUV	187.3760, -37.1604, 18.9642
Hunter-Lab	72.1019, -7.7180, 31.6884

Details

The XYZ color **47.8499, 51.9868, 22.8417** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.1731, 24.0125, 63.5767**, and the grayscale version is **47.6368, 50.1176, 54.5781**.

A 20% lighter version of the original color is **81.2923, 90.4981, 48.7806**, and **23.0948, 25.2971, 8.2230** is the 20% darker color. If you saturate the color by 10%, you get **45.9847, 49.9075, 17.1301**, and if you desaturate by 10%, it is **50.0101, 54.2237, 29.9853**.

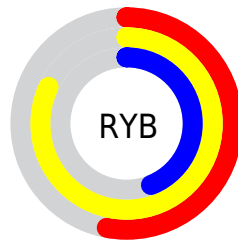
Distribution



Red (82%)

Green (75%)

Blue (44%)



Red (53%)

Yellow (82%)

Blue (44%)

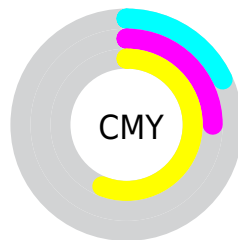


Cyan (0%)

Magenta (9%)

Yellow (46%)

Black (18%)



Cyan (18%)

Magenta (25%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8499, 51.9868, 22.8417 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 47.8499, 51.9868, 22.8417 by changing the saturation by 10% instead.

■ 47.8499, 51.9868,
22.8417

■ 47.8499, 51.9868,
22.8417

368.7894,
394.3856, 280.0064

■ 33.9188, 36.9946,
14.2725

■ 86.1919, 93.1118,
49.0532

■ 22.9938, 25.2033,
8.1695

■ 111.3336,
120.0133, 67.5325

■ 14.7096, 16.2286,
4.1143

■ 140.9427,
151.6533, 90.1522

■ 8.7008, 9.6860,
1.6882

■ 175.3848,
188.4164, 117.3309

■ 4.6021, 5.1913,
0.3527

215.0252,
230.6867, 149.4872

■ 2.0481, 2.3599,
0.0000

260.2291,

■ 0.6608, 0.8052,

278.8488, 187.0395

0.0000

311.3621,
333.2869, 230.4064

■ 0.0000, 0.0000,
0.0000

■ 47.8499, 51.9868,
22.8417

■ 47.8499, 51.9868,
22.8417

■ 45.9847, 49.9075,
17.1301

■ 50.0101, 54.2237,
29.9853

■ 44.3916, 47.9708,
12.7475

■ 52.4789, 56.6182,
38.6480

■ 43.0504, 46.1700,
9.5820

■ 55.2733, 59.1793,
48.9137

■ 41.9357, 44.4948,
7.5021

■ 58.4082, 61.9133,
60.8594

■ 41.0158, 42.9323,
6.3404

■ 61.8974, 64.8258,
74.5568

■ 40.7119, 42.3903,
6.0364

■ 65.7538, 67.9224,
90.0737

■ 69.4536, 70.9936,
104.6503

■ 70.4717, 73.0299,
104.9897

■ 71.5135, 75.1135,
105.3369

Harmonies

Analogous

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



56.0613, 51.9868, 24.9096



47.8499, 51.9868, 22.8417



40.8537, 51.9868, 27.6181

Triad

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



47.8499, 51.9868, 22.8417



37.8402, 51.9868, 86.8942



65.0078, 51.9868, 76.8838

Complementary

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



47.8499, 51.9868, 22.8417



26.1731, 24.0125, 63.5767

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.



59.0889, 51.9868, 100.9637



47.8499, 51.9868, 22.8417



43.3102, 51.9868, 107.7607

Square

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



47.8499, 51.9868, 22.8417



35.4940, 51.9868, 61.2477



51.0075, 51.9868, 113.5096



66.5620, 51.9868, 52.2027

Rectangle

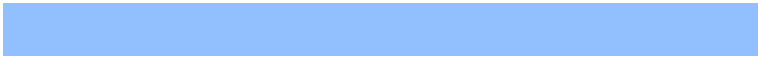
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8499, 51.9868, 22.8417



37.6257, 51.9868, 35.0833



51.0075, 51.9868, 113.5096



63.4333, 51.9868, 85.5045

Sweetspot

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



47.8512, 51.9892, 22.8428



87.7493, 93.7573, 80.6972



36.2128, 26.7937, 24.8788



18.5620, 19.8726, 16.4455



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.



47.8512, 51.9892, 22.8428



72.0595, 78.2017, 26.6842



44.5243, 56.4620, 23.8814



12.6092, 13.4091, 12.5357



25.1693, 26.2715, 3.7443



1.4568, 1.5679, 0.2259

Inverse Universe

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



26.1731, 24.0125, 63.5767



33.9455, 29.0537, 98.4265



28.3047, 21.8639, 63.0497



11.3386, 11.7674, 14.9174



7.5917, 3.8299, 37.5316



0.4789, 0.3230, 2.1167

Previews

White Background



This preview shows how the XYZ color 47.8499, 51.9868, 22.8417 looks on a white background.

Color Contrast Check

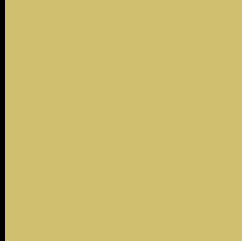
Large Text (above 18pt) WCAG AA × Fail

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 47.8499, 51.9868, 22.8417 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 47.8499, 51.9868, 22.8417

Background



This preview shows how black text looks on a background with the XYZ color 47.8499, 51.9868, 22.8417.



This preview shows how white text looks on a background with the XYZ color 47.8499, 51.9868,

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

47.8499, 51.9868, 22.8417

Protanopia

47.8499, 51.9868, 22.8417

Deuteranopia

53.0439, 51.8266, 23.1274



Tritanopia

54.9895, 51.7396, 58.7182

Trichromacy



Original Color

47.8499, 51.9868, 22.8417

Protanomaly

47.8499, 51.9868, 22.8417

Deuteranomaly

51.0701, 51.7375, 22.9174

Tritanomaly

51.8720, 51.7107, 42.8445

Monochromacy



Original Color

47.8499, 51.9868, 22.8417

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.8341, 50.1066, 40.4608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8499, 51.9868, 22.8417 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(209, 191, 112)` looks like.

```
.text, #text, p{  
    color:rgb(209, 191, 112)  
}
```

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(209, 191, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 191, 112) }
```

Border

The CSS property to change the border of an element to XYZ 47.8499, 51.9868, 22.8417 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(209, 191, 112) }
```


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

```
.border{ border-color:rgb(209, 191, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 191, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 191, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 191, 112);  
box-shadow:4px 4px 4px 4px rgb(209, 191,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8499, 51.9868, 22.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 191, 112) }
```

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

```
.background{ background-color: rgb(209,  
191, 112) }
```

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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