

Converting Colors

XYZ(44.7700, 45.9377, 21.8951)

Have a look what the booklet for
XYZ(44.7700, 45.9377, 21.8951)
contains.

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Color

**XYZ(44.9413, 46.1694,
21.8722)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B170
RGB	209, 177, 112
RGB Percent	82%, 69%, 44%
CMY	0.1804, 0.3059, 0.5608
CMYK	0.00, 0.15, 0.46, 0.18
HSL	40°, 51%, 63%
HSV	40°, 46%, 82%
XYZ	44.9413, 46.1694, 21.8722
YIQ	179.1580, 39.9370, -13.4310

Conversions

Conversions Part 2

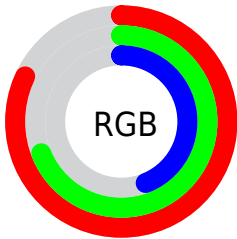
Format	Color
R_{YB}	160, 209, 112
Decimal	13742448
CIE _{Lab}	73.66, 3.08, 37.45
CIE _{LCh}	74, 37.573, 85.293
Yxy	46.1694, 0.3978, 0.4086
Android (android.graphics.Color)	4291932528 (0xFFD1B170)
YUV	179.1580, -33.1089, 26.1714
Hunter-Lab	67.9481, -0.8480, 28.4784

Details

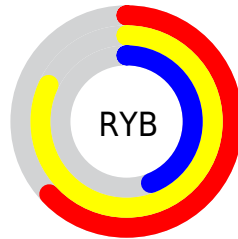
The XYZ color **44.9413, 46.1694, 21.8722** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.1638, 27.9939, 64.2406**, and the grayscale version is **43.0891, 45.3331, 49.3677**.

A 20% lighter version of the original color is **77.1704, 82.2544, 47.4067**, and **21.3400, 21.7873, 7.6381** is the 20% darker color. If you saturate the color by 10%, you get **42.5829, 43.1036, 15.9961**, and if you desaturate by 10%, it is **47.6409, 49.4851, 29.1955**.

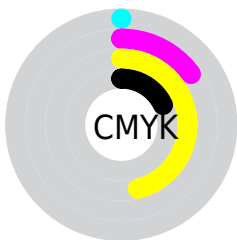
Distribution



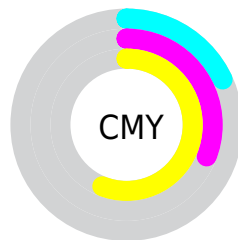
- Red (82%)
- Green (69%)
- Blue (44%)



- Red (63%)
- Yellow (82%)
- Blue (44%)



- Cyan (0%)
- Magenta (15%)
- Yellow (46%)
- Black (18%)



- Cyan (18%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9413, 46.1694, 21.8722 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 44.9413, 46.1694, 21.8722 by changing the saturation by 10% instead.

■ 44.9413, 46.1694,
21.8722

■ 44.9413, 46.1694,
21.8722

357.3235,
371.4893, 274.8098

■ 31.6123, 32.3795,
13.5656

■ 81.8699, 84.4725,
47.4342

■ 21.2196, 21.6515,
7.6839

■ 106.2002,
109.7544, 65.5266

■ 13.3980, 13.6011,
3.8085

■ 134.9284,
139.6359, 87.7181

■ 7.7821, 7.8437,
1.5209

■ 168.4196,
174.5012, 114.4271

■ 4.0064, 3.9951,
0.2334

207.0394,
214.7348, 146.0723

■ 1.7058, 1.6708,
0.0000

251.1531,

■ 0.4599, 0.4047,

260.7211, 183.0721

0.0000

301.1260,
312.8445, 225.8451

■ 0.0000, 0.0000,
0.0000

■ 44.9413, 46.1694,
21.8722

■ 44.9413, 46.1694,
21.8722

■ 42.5829, 43.1036,
15.9961

■ 47.6409, 49.4851,
29.1955

■ 40.5422, 40.2718,
11.4643

■ 50.6964, 53.0532,
38.0538

■ 38.7981, 37.6653,
8.1645

■ 54.1257, 56.8839,
48.5312

■ 37.3245, 35.2722,
5.9650

■ 57.9442, 60.9850,
60.7047

■ 36.0885, 33.0776,
4.6980

■ 62.1665, 65.3639,
74.6466

■ 35.6816, 32.3294,
4.3596

■ 66.8065, 70.0274,
90.4247

■ 71.3407, 74.7677,
105.2793

■ 73.2451, 78.5765,
105.9141

■ 75.2256, 82.5376,
106.5743

Harmonies

Analogous

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



51.5814, 46.1694, 25.7557



44.9413, 46.1694, 21.8722



38.6379, 46.1694, 23.8774

Triad

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



44.9413, 46.1694, 21.8722



33.2974, 46.1694, 67.6157



55.2686, 46.1694, 74.1645

Complementary

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



44.9413, 46.1694, 21.8722



28.1638, 27.9939, 64.2406

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.



49.5817, 46.1694, 91.2315



44.9413, 46.1694, 21.8722



36.9907, 46.1694, 86.8290

Square

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



44.9413, 46.1694, 21.8722



32.3222, 46.1694, 47.3223



42.8407, 46.1694, 96.3698



57.9153, 46.1694, 53.3389

Rectangle

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



44.9413, 46.1694, 21.8722



35.3997, 46.1694, 28.6410



42.8407, 46.1694, 96.3698



53.6228, 46.1694, 80.7194

Sweetspot

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



44.9424, 46.1716, 21.8731



86.1835, 90.6258, 80.1753



37.1486, 27.1680, 29.8059



18.1782, 19.1049, 16.3175



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.



44.9424, 46.1716, 21.8731



66.7067, 67.4961, 24.8999



47.6752, 58.0864, 24.0289



12.4612, 13.1130, 12.4863



22.0937, 20.1204, 2.7192



1.3063, 1.2670, 0.1757

Inverse Universe

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



28.1638, 27.9939, 64.2406



37.2078, 35.5783, 99.5140



26.2305, 20.7945, 62.9529



11.4777, 12.0456, 14.9637



8.4866, 5.6198, 37.8299



0.5466, 0.4584, 2.1392

Previews

White Background



This preview shows how the XYZ color 44.9413, 46.1694, 21.8722 looks on a white background.

Color Contrast Check

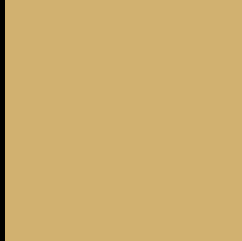
Large Text (above 18pt) WCAG AA × Fail

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 44.9413, 46.1694, 21.8722 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 44.9413, 46.1694, 21.8722

Background



This preview shows how black text looks on a background with the XYZ color 44.9413, 46.1694, 21.8722.

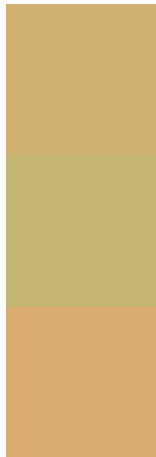


This preview shows how white text looks on a background with the XYZ color 44.9413, 46.1694,

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

44.9413, 46.1694, 21.8722

Protanopia

42.5871, 46.1330, 22.5796

Deuteranopia

47.1376, 46.1395, 22.0442



Tritanopia

50.9504, 46.3523, 50.5175

Trichromacy



Original Color

44.9413, 46.1694, 21.8722

Protanomaly

43.3893, 46.2523, 22.2635

Deuteranomaly

46.1410, 45.9114, 22.0527

Tritanomaly

48.2789, 46.0855, 38.2491

Monochromacy



Original Color

44.9413, 46.1694, 21.8722

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.0720, 45.1545, 37.4559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9413, 46.1694, 21.8722 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, 177, 112)` looks like.

```
.text, #text, p{  
    color:rgb(209, 177, 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, 177, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 177, 112) }
```

Border

The CSS property to change the border of an element to XYZ 44.9413, 46.1694, 21.8722 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, 177, 112) }
```


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

```
.border{ border-color:rgb(209, 177, 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, 177, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 177, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 177, 112);  
box-shadow:4px 4px 4px 4px rgb(209, 177,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9413, 46.1694, 21.8722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 177, 112) }
```

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

```
.background{ background-color: rgb(209,  
177, 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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