

Converting Colors

XYZ(46.7218, 47.6875, 21.7815)

Have a look what the booklet for
XYZ(46.7218, 47.6875, 21.7815)
contains.

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Color

**XYZ(46.7209, 47.6840,
21.7804)**

Conversions

Conversions Part 1

Format	Color
Hex	D6B36F
RGB	214, 179, 111
RGB Percent	84%, 70%, 44%
CMY	0.1608, 0.2980, 0.5647
CMYK	0.00, 0.16, 0.48, 0.16
HSL	40°, 56%, 64%
HSV	40°, 48%, 84%
XYZ	46.7209, 47.6840, 21.7804
YIQ	181.7130, 42.6880, -13.7280

Conversions

Conversions Part 2

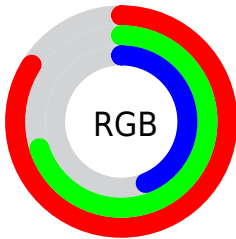
Format	Color
RYB	164, 214, 111
Decimal	14070639
CIELab	74.63, 3.98, 39.28
CIELCh	75, 39.484, 84.218
Yxy	47.6840, 0.4021, 0.4104
Android (android.graphics.Color)	4292260719 (0xFFD6B36F)
YUV	181.7130, -34.8615, 28.3157
Hunter-Lab	69.0536, -0.0727, 29.6367

Details

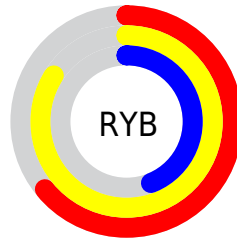
The XYZ color **46.7209, 47.6840, 21.7804** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.9717, 28.7913, 67.6485**, and the grayscale version is **44.4756, 46.7918, 50.9563**.

A 20% lighter version of the original color is **77.6492, 83.3570, 47.1189**, and **22.2078, 22.4267, 7.5732** is the 20% darker color. If you saturate the color by 10%, you get **44.2621, 44.4317, 15.8276**, and if you desaturate by 10%, it is **49.5411, 51.2074, 29.2472**.

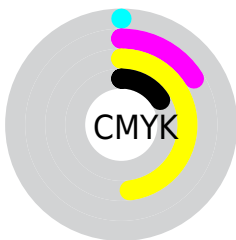
Distribution



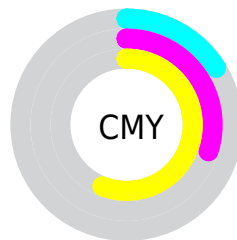
- Red (84%)
- Green (70%)
- Blue (44%)



- Red (64%)
- Yellow (84%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (48%)
- Black (16%)



- Cyan (16%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7209, 47.6840, 21.7804 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 46.7209, 47.6840, 21.7804 by changing the saturation by 10% instead.

46.7209, 47.6840,
21.7804

46.7209, 47.6840,
21.7804

364.3669,
377.5382, 274.3133

33.0221, 33.5767,
13.4989

84.5181, 86.7337,
47.2803

22.3027, 22.5686,
7.6382

109.3473,
112.4450, 65.3357

14.1973, 14.2753,
3.7799

138.6173,
142.7929, 87.4862

8.3407, 8.3124,
1.5054

172.6934,
178.1621, 114.1503

4.3673, 4.2955,
0.2219

211.9411,
218.9368, 145.7465

1.9120, 1.8402,
0.0000

256.7257,

0.5838, 0.5120,

265.5015, 182.6934

0.0000

307.4125,
318.2405, 225.4095

■ 0.0000, 0.0000,
0.0000

■ 46.7209, 47.6840,
21.7804

■ 46.7209, 47.6840,
21.7804

■ 44.2621, 44.4317,
15.8276

■ 49.5411, 51.2074,
29.2472

■ 42.1397, 41.4332,
11.2776

■ 52.7389, 55.0049,
38.3228

■ 40.3303, 38.6791,
8.0086

■ 56.3335, 59.0877,
49.0975

■ 38.8053, 36.1559,
5.8761

■ 60.3415, 63.4642,
61.6540

■ 37.5236, 33.8453,
4.6700

■ 64.7788, 68.1424,
76.0696

■ 37.2994, 33.4320,
4.4871

■ 69.6600, 73.1300,
92.4170

■ 74.0508, 78.0548,
105.7709

■ 76.1155, 82.1842,
106.4592

■ 78.2656, 86.4843,
107.1758

Harmonies

Analogous

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



53.8422, 47.6840, 26.0878



46.7209, 47.6840, 21.7804



39.9151, 47.6840, 23.6610

Triad

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



46.7209, 47.6840, 21.7804



33.9084, 47.6840, 69.7969



57.4106, 47.6840, 78.5012

Complementary

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



46.7209, 47.6840, 21.7804



28.9717, 28.7913, 67.6485

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.



51.1968, 47.6840, 96.7232



46.7209, 47.6840, 21.7804



37.7521, 47.6840, 90.8431

Square

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



46.7209, 47.6840, 21.7804



32.9778, 47.6840, 48.0546



43.9517, 47.6840, 101.7492



60.4167, 47.6840, 55.9868

Rectangle

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



46.7209, 47.6840, 21.7804



36.3975, 47.6840, 28.5114



43.9517, 47.6840, 101.7492



55.5981, 47.6840, 85.5456

Sweetspot

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



46.7221, 47.6863, 21.7814



86.0776, 90.4141, 80.1400



38.6867, 27.7736, 30.9467



18.1523, 19.0531, 16.3089



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.



46.7221, 47.6863, 21.7814



65.6706, 65.8667, 23.1898



50.3499, 61.3215, 24.2220



13.1010, 13.7762, 13.1293



22.6450, 20.4073, 2.7455



1.4411, 1.3815, 0.1907

Inverse Universe

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



28.9717, 28.7913, 67.6485



36.2417, 34.5846, 99.3731



26.4932, 20.6944, 66.2163



12.0841, 12.6915, 15.7503



8.8519, 5.9655, 39.1381



0.6095, 0.5110, 2.3858

Previews

White Background



This preview shows how the XYZ color 46.7209, 47.6840, 21.7804 looks on a white background.

Color Contrast Check

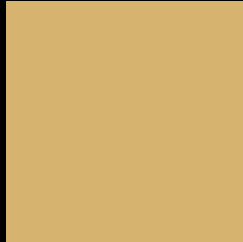
Large Text (above 18pt) WCAG AA × Fail

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 46.7209, 47.6840, 21.7804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

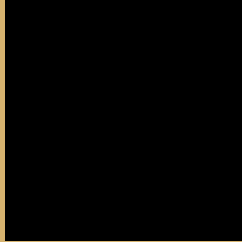
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7209, 47.6840, 21.7804

Background



This preview shows how black text looks on a background with the XYZ color 46.7209, 47.6840, 21.7804.



This preview shows how white text looks on a background with the XYZ color 46.7209, 47.6840,

21.7804.

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

46.7209, 47.6840, 21.7804

Protanopia

44.2085, 47.8907, 22.5366

Deuteranopia

48.6860, 47.5178, 21.9350



Tritanopia

52.7408, 47.5405, 51.1962

Trichromacy



Original Color

46.7209, 47.6840, 21.7804

Protanomaly

45.1062, 47.7476, 22.1681

Deuteranomaly

47.9652, 47.4362, 21.9573

Tritanomaly

49.9428, 47.2269, 38.3817

Monochromacy



Original Color

46.7209, 47.6840, 21.7804

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.7728, 46.9174, 38.1487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7209, 47.6840, 21.7804 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(214, 179, 111)` looks like.

```
.text, #text, p{  
    color:rgb(214, 179, 111)  
}
```

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(214, 179, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 179, 111) }
```

Border

The CSS property to change the border of an element to XYZ 46.7209, 47.6840, 21.7804 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(214, 179, 111) }
```


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

```
.border{ border-color:rgb(214, 179, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 179, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 179, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 179, 111);  
box-shadow:4px 4px 4px 4px rgb(214, 179,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7209, 47.6840, 21.7804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 179, 111) }
```

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

```
.background{ background-color: rgb(214,  
179, 111) }
```

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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