

Converting Colors

XYZ(70.3990, 76.3234, 47.9768)

Have a look what the booklet for
XYZ(70.3990, 76.3234, 47.9768)
contains.

XYZ(70.4721, 76.2906, 48.0571)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.4721, 76.2906,
48.0571)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E3A8
RGB	240, 227, 168
RGB Percent	94%, 89%, 66%
CMY	0.0588, 0.1098, 0.3412
CMYK	0.00, 0.05, 0.30, 0.06
HSL	49°, 71%, 80%
HSV	49°, 30%, 94%
XYZ	70.4721, 76.2906, 48.0571
YIQ	224.1610, 26.6870, -15.5930

Conversions

Conversions Part 2

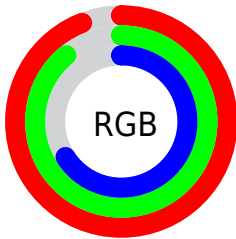
Format	Color
RYB	184, 240, 168
Decimal	15786920
CIELab	89.99, -4.32, 30.47
CIELCh	90, 30.779, 98.078
Yxy	76.2906, 0.3617, 0.3916
Android (android.graphics.Color)	4293977000 (0xFFFF0E3A8)
YUV	224.1610, -27.6874, 13.8908
Hunter-Lab	87.3445, -8.8338, 28.5197

Details

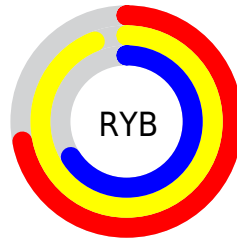
The XYZ color **70.4721, 76.2906, 48.0571** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.4001, 47.6624, 89.0869**, and the grayscale version is **71.1467, 74.8519, 81.5137**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **37.3755, 40.8101, 22.1269** is the 20% darker color. If you saturate the color by 10%, you get **67.2703, 73.1407, 36.9585**, and if you desaturate by 10%, it is **74.1203, 79.6721, 61.3421**.

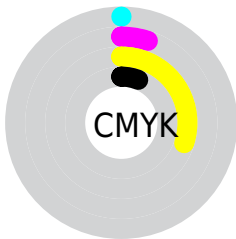
Distribution



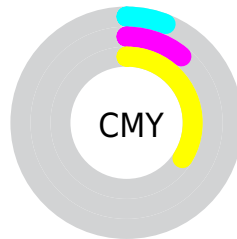
- Red (94%)
- Green (89%)
- Blue (66%)



- Red (72%)
- Yellow (94%)
- Blue (66%)



- Cyan (0%)
- Magenta (5%)
- Yellow (30%)
- Black (6%)



- Cyan (6%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4721, 76.2906, 48.0571 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 70.4721, 76.2906, 48.0571 by changing the saturation by 10% instead.

70.4721, 76.2906,
48.0571

70.4721, 76.2906,
48.0571

451.4465,
482.3419, 395.5337

52.1925, 56.6708,
33.5118

118.9044,
128.1376, 88.6558

37.3834, 40.7410,
22.2445

149.7877,
161.1336, 115.5464

25.6795, 28.1168,
13.8366

185.6030,
199.3572, 147.3890

16.7155, 18.4137,
7.8697

226.7157,
243.1927, 184.6024

10.1259, 11.2474,
3.9251

273.4910,
293.0245, 227.6050

5.5454, 6.2335,
1.5843

326.2943,

2.6087, 2.9876,

349.2371, 276.8154

0.2796

385.4910,
412.2147, 332.6521

■ 0.9504, 1.1253,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.4721, 76.2906,
48.0571

■ 70.4721, 76.2906,
48.0571

■ 67.2703, 73.1407,
36.9585

■ 74.1203, 79.6721,
61.3421

■ 64.4860, 70.2025,
27.9216

■ 78.2304, 83.2837,
76.9194

■ 62.0962, 67.4691,
20.8169

■ 82.8239, 87.1371,
94.8936

■ 60.0728, 64.9288,
15.4976

■ 86.4358, 90.6465,
107.5486

■ 58.3837, 62.5686,
11.7963

■ 87.7568, 93.2886,
107.9890

■ 56.9909, 60.3728,
9.5137

■ 89.1087, 95.9924,
108.4396

■ 55.8303, 58.3155,
8.3135

■ 89.7452, 97.2653,
108.6517

■ 55.8302, 58.3153,
8.3134

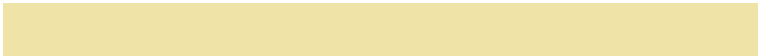
Harmonies

Analogous

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



78.1221, 76.2906, 49.8981



70.4721, 76.2906, 48.0571



63.8441, 76.2906, 54.2156

Triad

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



70.4721, 76.2906, 48.0571



61.5768, 76.2906, 111.7339



86.9746, 76.2906, 99.7432

Complementary

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



70.4721, 76.2906, 48.0571



48.4001, 47.6624, 89.0869

Split Complementary

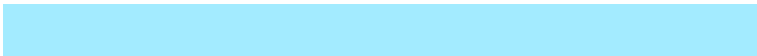
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9308, 76.2906, 120.6796



70.4721, 76.2906, 48.0571



67.1770, 76.2906, 128.4038

Square

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



70.4721, 76.2906, 48.0571



58.9486, 76.2906, 89.1057



74.5907, 76.2906, 131.9363



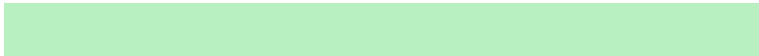
88.0108, 76.2906, 77.3084

Rectangle

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



70.4721, 76.2906, 48.0571



60.7709, 76.2906, 62.7923



74.5907, 76.2906, 131.9363



85.6754, 76.2906, 107.2954

Sweetspot

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



70.4740, 76.2941, 48.0587



90.2655, 95.9948, 90.1525



58.2994, 49.8758, 50.3790



19.1642, 20.4128, 18.6934



0.0000, 0.0000, 0.0000



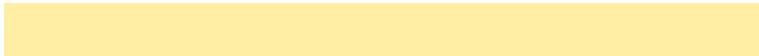
20.3446, 21.4041, 23.3091

Same Dimension

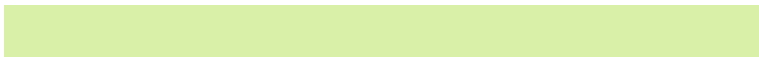
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4740, 76.2941, 48.0587



78.5694, 85.3127, 47.0703



66.9031, 79.9299, 48.9487



16.8662, 17.9455, 16.7246



30.6521, 32.1024, 4.5808



2.6125, 2.7957, 0.4019

Inverse Universe

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



48.4001, 47.6624, 89.0869



49.4696, 47.5764, 101.1836



51.1672, 45.3480, 88.4943



15.1280, 15.6900, 19.9528



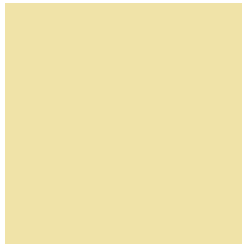
9.1575, 4.5392, 45.5214



0.8262, 0.5063, 3.8084

Previews

White Background



This preview shows how the XYZ color 70.4721, 76.2906, 48.0571 looks on a white background.

Color Contrast Check

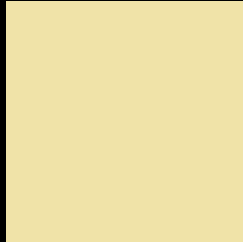
Large Text (above 18pt) WCAG AA × Fail

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 70.4721, 76.2906, 48.0571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

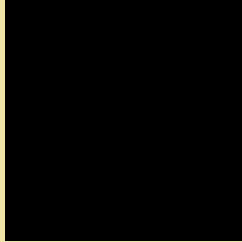
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4721, 76.2906, 48.0571

Background



This preview shows how black text looks on a background with the XYZ color 70.4721, 76.2906, 48.0571.



This preview shows how white text looks on a background with the XYZ color 70.4721, 76.2906,

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

70.4721, 76.2906, 48.0571

Protanopia

71.2264, 76.2746, 48.0142

Deuteranopia

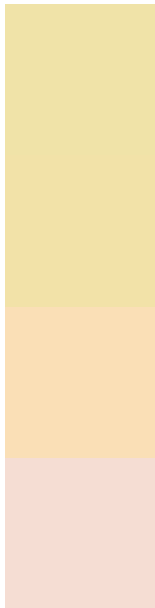
76.1275, 76.1641, 59.4040



Tritanopia

78.7782, 76.0974, 89.1335

Trichromacy



Original Color

70.4721, 76.2906, 48.0571

Protanomaly

70.8822, 76.0971, 47.9981

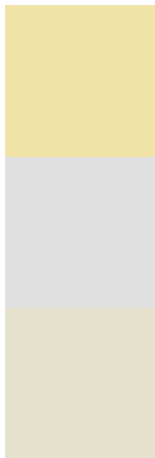
Deuteranomaly

74.2555, 76.4767, 55.1038

Tritanomaly

75.2705, 75.8285, 72.2972

Monochromacy



Original Color

70.4721, 76.2906, 48.0571

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4574, 75.0331, 67.8961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4721, 76.2906, 48.0571 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(240, 227, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 227, 168)  
}
```

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(240, 227, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 227, 168) }
```

Border

The CSS property to change the border of an element to XYZ 70.4721, 76.2906, 48.0571 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(240, 227, 168) }
```


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

```
.border{ border-color:rgb(240, 227, 168) }
```

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

Here you see how a box with a 4 pixel rgb(240, 227, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 227, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 227, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 227,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4721, 76.2906, 48.0571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 227, 168) }
```

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

```
.background{ background-color: rgb(240,  
227, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor