

Converting Colors

XYZ(70.1658, 77.0468, 48.4033)

Have a look what the booklet for
XYZ(70.1658, 77.0468, 48.4033)
contains.

XYZ(70.0122, 76.8703, 48.1932)	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(70.0122, 76.8703,
48.1932)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE5A8
RGB	237, 229, 168
RGB Percent	93%, 90%, 66%
CMY	0.0706, 0.1019, 0.3412
CMYK	0.00, 0.03, 0.29, 0.07
HSL	53°, 66%, 79%
HSV	53°, 29%, 93%
XYZ	70.0122, 76.8703, 48.1932
YIQ	224.4380, 24.3490, -17.2750

Conversions

Conversions Part 2

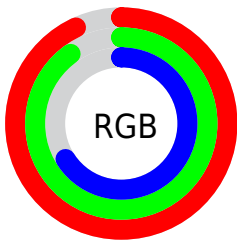
Format	Color
RYB	177, 237, 168
Decimal	15590824
CIELab	90.26, -6.47, 30.79
CIELCh	90, 31.463, 101.859
Yxy	76.8703, 0.3589, 0.3941
Android (android.graphics.Color)	4293780904 (0xFFEDE5A8)
YUV	224.4380, -27.8239, 11.0169
Hunter-Lab	87.6757, -10.8938, 28.7827

Details

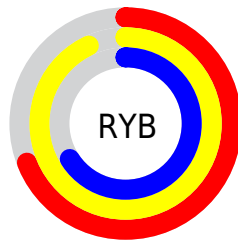
The XYZ color **70.0122, 76.8703, 48.1932** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.9595, 45.4886, 86.4260**, and the grayscale version is **71.3474, 75.0630, 81.7436**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **37.0530, 41.2132, 22.2217** is the 20% darker color. If you saturate the color by 10%, you get **67.2494, 74.5618, 37.3542**, and if you desaturate by 10%, it is **73.1934, 79.3708, 61.1587**.

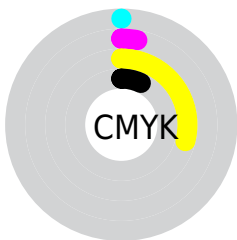
Distribution



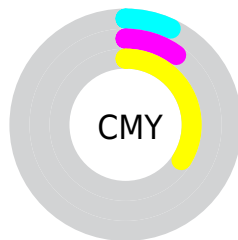
- Red (93%)
- Green (90%)
- Blue (66%)



- Red (69%)
- Yellow (93%)
- Blue (66%)



- Cyan (0%)
- Magenta (3%)
- Yellow (29%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0122, 76.8703, 48.1932 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 70.0122, 76.8703, 48.1932 by changing the saturation by 10% instead.

70.0122, 76.8703,
48.1932

70.0122, 76.8703,
48.1932

449.8586,
484.3217, 396.0882

51.8161, 57.1464,
33.6188

118.2523,
128.9564, 88.8605

37.0822, 41.1228,
22.3259

149.0271,
162.0874, 115.7906

25.4451, 28.4151,
13.8960

184.7254,
200.4562, 147.6763

16.5395, 18.6388,
7.9104

225.7127,
244.4473, 184.9361

10.0000, 11.4096,
3.9507

272.3543,
294.4450, 227.9887

5.4612, 6.3430,
1.5984

325.0156,

2.5578, 3.0548,

350.8337, 277.2526

0.2896

384.0619,
413.9978, 333.1462

■ 0.9245, 1.1604,
0.0000

■ 0.0000, 0.0290,
0.0000

■ 70.0122, 76.8703,
48.1932

■ 70.0122, 76.8703,
48.1932

■ 67.2494, 74.5618,
37.3542

■ 73.1934, 79.3708,
61.1587

■ 64.8772, 72.4259,
28.5217


■ 76.8073, 82.0610,
76.3524

■ 62.8736, 70.4566,
21.5710


■ 80.8749, 84.9521,
93.8753


■ 61.2117, 68.6429,
16.3617


■ 84.1321, 87.5385,
107.0701


 59.8611, 66.9726,
12.7336


 84.9465, 89.1674,
107.3416


 58.7858, 65.4312,
10.4969

 85.7732, 90.8208,
107.6172

 57.9302, 63.9964,
9.3596

 86.6123, 92.4990,
107.8969

 57.8587, 63.8717,
9.2790

 87.4638, 94.2019,
108.1807

 88.3277, 95.9297,
108.4687

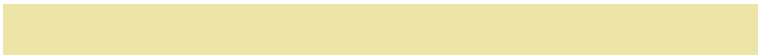
Harmonies

Analogous

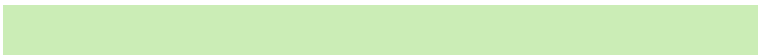
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8519, 76.8703, 49.0447



70.0122, 76.8703, 48.1932



63.4692, 76.8703, 55.5153

Triad

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



70.0122, 76.8703, 48.1932



62.4129, 76.8703, 115.8967



88.3254, 76.8703, 97.8554

Complementary

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



70.0122, 76.8703, 48.1932



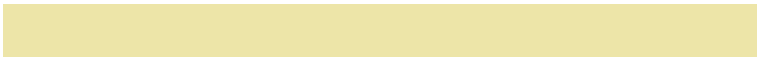
46.9595, 45.4886, 86.4260

Split Complementary

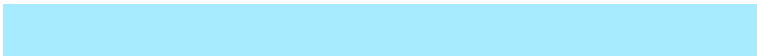
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5778, 76.8703, 120.0976



70.0122, 76.8703, 48.1932



68.4745, 76.8703, 131.7274

Square

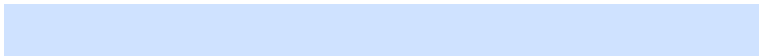
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0122, 76.8703, 48.1932



59.2961, 76.8703, 92.8766



76.2010, 76.8703, 133.3891



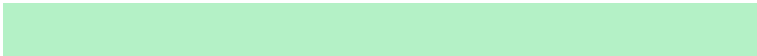
88.8110, 76.8703, 75.1462

Rectangle

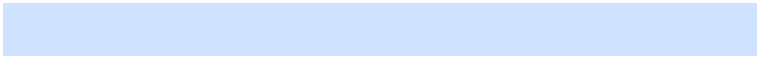
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0122, 76.8703, 48.1932



60.5741, 76.8703, 64.9638



76.2010, 76.8703, 133.3891



87.1601, 76.8703, 105.7282

Sweetspot

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



70.0142, 76.8738, 48.1948



90.7302, 96.9243, 90.3074



56.7697, 49.1472, 47.5955



19.2794, 20.6433, 18.7318



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.



70.0142, 76.8738, 48.1948



80.6496, 89.1031, 48.9042



64.0878, 77.1783, 48.5659



16.1943, 17.3116, 16.0067



31.6514, 34.9970, 5.0869



2.5277, 2.8327, 0.4135

Inverse Universe

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



46.9595, 45.4886, 86.4260



49.2666, 46.3861, 100.9645



51.6533, 45.6496, 86.2097



14.3717, 14.8299, 19.0272



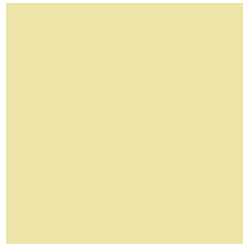
8.6133, 3.8737, 44.0367



0.7227, 0.3968, 3.4734

Previews

White Background



This preview shows how the XYZ color 70.0122, 76.8703, 48.1932 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 70.0122, 76.8703, 48.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

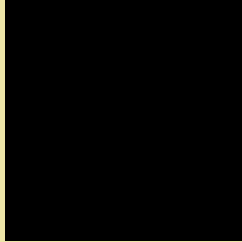
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

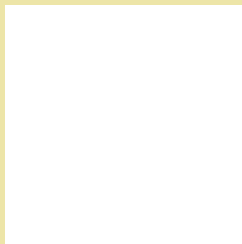
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0122, 76.8703, 48.1932

Background



This preview shows how black text looks on a background with the XYZ color 70.0122, 76.8703, 48.1932.



This preview shows how white text looks on a background with the XYZ color 70.0122, 76.8703,

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

70.0122, 76.8703, 48.1932

Protanopia

71.7524, 76.9613, 47.6325

Deuteranopia

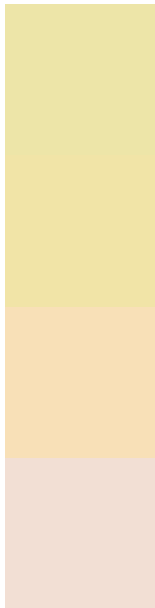
76.6109, 76.7787, 60.6511



Tritanopia

78.5354, 76.7133, 90.7886

Trichromacy



Original Color

70.0122, 76.8703, 48.1932

Protanomaly

70.9941, 76.9776, 47.6756

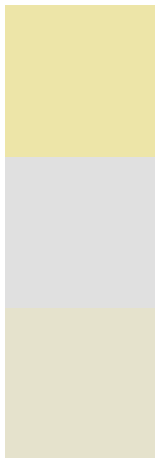
Deuteranomaly

73.9143, 76.6867, 55.7061

Tritanomaly

74.8893, 76.4061, 73.0881

Monochromacy



Original Color

70.0122, 76.8703, 48.1932

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4085, 75.4104, 67.9715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0122, 76.8703, 48.1932 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(237, 229, 168)` looks like.

```
.text, #text, p{  
    color:rgb(237, 229, 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(237, 229, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 229, 168) }
```

Border

The CSS property to change the border of an element to XYZ 70.0122, 76.8703, 48.1932 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(237, 229, 168) }
```


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

```
.border{ border-color:rgb(237, 229, 168) }
```

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

Here you see how a box with a 4 pixel rgb(237, 229, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 229, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 229, 168);  
box-shadow:4px 4px 4px 4px rgb(237, 229,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0122, 76.8703, 48.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 229, 168) }
```

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

```
.background{ background-color: rgb(237,  
229, 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](#).

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