

Converting Colors

XYZ(71.5884, 78.7055, 48.3619)

Have a look what the booklet for
XYZ(71.5884, 78.7055, 48.3619)
contains.

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Color

**XYZ(71.5790, 78.5042,
48.4260)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E7A8
RGB	240, 231, 168
RGB Percent	94%, 91%, 66%
CMY	0.0588, 0.0941, 0.3412
CMYK	0.00, 0.04, 0.30, 0.06
HSL	53°, 71%, 80%
HSV	53°, 30%, 94%
XYZ	71.5790, 78.5042, 48.4260
YIQ	226.5090, 25.5870, -17.6850

Conversions

Conversions Part 2

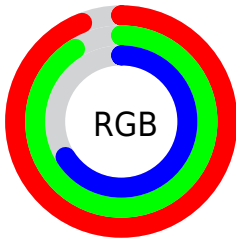
Format	Color
R_{YB}	178, 240, 168
Decimal	15787944
CIE _{Lab}	91.01, -6.34, 31.84
CIE _{LCh}	91, 32.461, 101.271
Yxy	78.5042, 0.3606, 0.3955
Android (android.graphics.Color)	4293978024 (0xFFFF0E7A8)
YUV	226.5090, -28.8449, 11.8316
Hunter-Lab	88.6026, -10.8505, 29.6167

Details

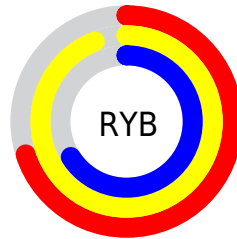
The XYZ color **71.5790, 78.5042, 48.4260** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.5986, 46.0593, 88.8200**, and the grayscale version is **72.8485, 76.6423, 83.4634**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **38.1483, 42.3558, 22.3845** is the 20% darker color. If you saturate the color by 10%, you get **68.7151, 76.0301, 37.4400**, and if you desaturate by 10%, it is **74.8740, 81.1792, 61.5933**.

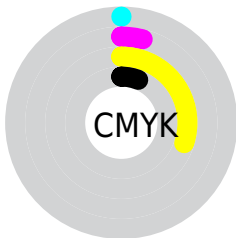
Distribution



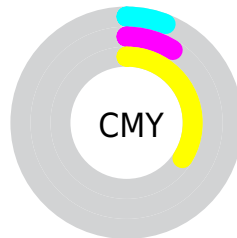
- Red (94%)
- Green (91%)
- Blue (66%)



- Red (70%)
- Yellow (94%)
- Blue (66%)



- Cyan (0%)
- Magenta (4%)
- Yellow (30%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5790, 78.5042, 48.4260 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 71.5790, 78.5042, 48.4260 by changing the saturation by 10% instead.

71.5790, 78.5042,
48.4260

71.5790, 78.5042,
48.4260

455.2553,
489.8775, 397.0355

53.0991, 58.4883,
33.8020

120.4718,
131.2606, 89.2105

38.1097, 42.2013,
22.4654

151.6155,
164.7699, 116.2080

26.2454, 29.2590,
13.9977

187.7110,
203.5458, 148.1671

17.1410, 19.2768,
7.9803

229.1239,
247.9726, 185.5064

10.4310, 11.8705,
3.9948

276.2194,
298.4348, 228.6443

5.7501, 6.6555,
1.6225

329.3629,

2.7329, 3.2476,

355.3167, 277.9995

0.3068

388.9197,
419.0028, 333.9904

■ 1.0142, 1.2623,
0.0000

■ 0.0000, 0.1118,
0.0000

■ 71.5790, 78.5042,
48.4260

■ 71.5790, 78.5042,
48.4260

■ 68.7151, 76.0301,
37.4400

■ 74.8740, 81.1792,
61.5933

■ 66.2534, 73.7370,
28.5107


■ 78.6152, 84.0531,
77.0477


■ 64.1710, 71.6185,
21.5084

■ 82.8241, 87.1373,
94.8938


■ 62.4400, 69.6631,
16.2866


■ 86.0356, 89.8458,
107.4152


 61.0285, 67.8581,
12.6779


 86.9402, 91.6551,
107.7167

 59.8987, 66.1882,
10.4829


 87.8595, 93.4938,
108.0232

 58.9865, 64.6276,
9.3655

 88.7937, 95.3621,
108.3345

 58.9864, 64.6275,
9.3654

 89.7427, 97.2601,
108.6509

 89.7453, 97.2653,
108.6517

Harmonies

Analogous

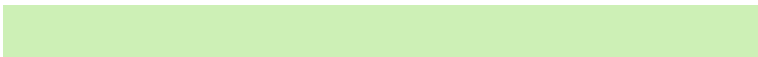
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7895, 78.5042, 49.4735



71.5790, 78.5042, 48.4260



64.6993, 78.5042, 55.8540

Triad

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



71.5790, 78.5042, 48.4260



63.3906, 78.5042, 118.8257



90.5519, 78.5042, 100.7986

Complementary

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



71.5790, 78.5042, 48.4260



47.5986, 46.0593, 88.8200

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.



85.4973, 78.5042, 124.0700



71.5790, 78.5042, 48.4260



69.6709, 78.5042, 135.7214

Square

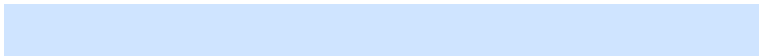
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5790, 78.5042, 48.4260



60.2078, 78.5042, 94.6026



77.7375, 78.5042, 137.7992



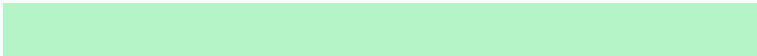
91.1567, 78.5042, 76.9593

Rectangle

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



71.5790, 78.5042, 48.4260



61.6364, 78.5042, 65.5734



77.7375, 78.5042, 137.7992



89.3005, 78.5042, 109.0501

Sweetspot

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



71.5810, 78.5078, 48.4276



90.6648, 96.7934, 90.2856



57.9343, 49.7298, 48.4556



19.2632, 20.6108, 18.7264



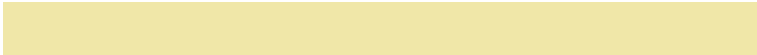
0.0000, 0.0000, 0.0000



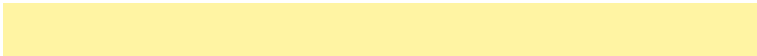
20.3446, 21.4041, 23.3091

Same Dimension

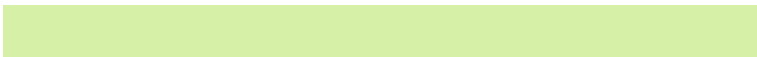
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5810, 78.5078, 48.4276



80.0788, 88.3315, 47.5734



65.8436, 79.3838, 48.8991



16.9446, 18.1023, 16.7507



32.3576, 35.5134, 5.1493



2.7386, 3.0479, 0.4440

Inverse Universe

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



47.5986, 46.0593, 88.8200



48.4607, 45.5586, 100.8473



52.0826, 45.8199, 88.5375



15.0564, 15.5468, 19.9289



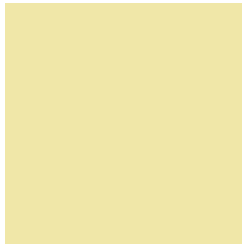
8.9150, 4.0542, 45.4405



0.7923, 0.4386, 3.7971

Previews

White Background



This preview shows how the XYZ color 71.5790, 78.5042, 48.4260 looks on a white background.

Color Contrast Check

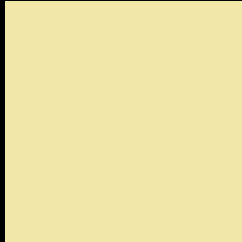
Large Text (above 18pt) WCAG AA × Fail

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 71.5790, 78.5042, 48.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

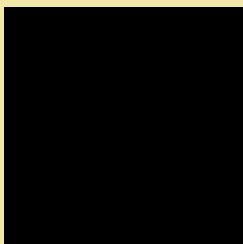
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

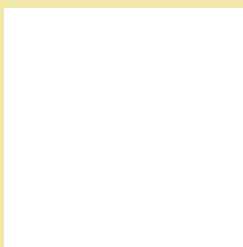
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.5790, 78.5042, 48.4260

Background



This preview shows how black text looks on a background with the XYZ color 71.5790, 78.5042, 48.4260.



This preview shows how white text looks on a background with the XYZ color 71.5790, 78.5042,

48.4260.

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

71.5790, 78.5042, 48.4260

Protanopia

73.0004, 78.4215, 47.8485

Deuteranopia

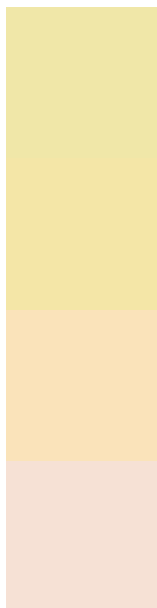
77.8595, 78.5568, 63.2839



Tritanopia

80.7682, 78.6143, 92.5785

Trichromacy



Original Color

71.5790, 78.5042, 48.4260

Protanomaly

72.5801, 78.6167, 47.9084

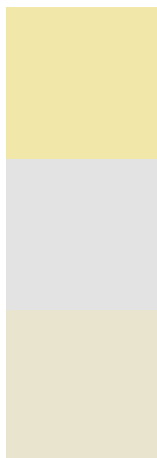
Deuteranomaly

75.7564, 78.8073, 57.6729

Tritanomaly

76.9415, 78.2474, 73.9988

Monochromacy



Original Color

71.5790, 78.5042, 48.4260

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1627, 77.0988, 69.4707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5790, 78.5042, 48.4260 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, 231, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 231, 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, 231, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 231, 168) }
```

Border

The CSS property to change the border of an element to XYZ 71.5790, 78.5042, 48.4260 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, 231, 168) }
```


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

```
.border{ border-color:rgb(240, 231, 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, 231, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 231, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 231, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 231,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5790, 78.5042, 48.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 231, 168) }
```

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

```
.background{ background-color: rgb(240,  
231, 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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