

Converting Colors

XYZ(70.7822, 78.1527, 54.7844)

Have a look what the booklet for
XYZ(70.7822, 78.1527, 54.7844)
contains.

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Color

**XYZ(70.7458, 77.9395,
54.4951)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE7B4
RGB	234, 231, 180
RGB Percent	92%, 91%, 71%
CMY	0.0824, 0.0941, 0.2941
CMYK	0.00, 0.01, 0.23, 0.08
HSL	57°, 56%, 81%
HSV	57°, 23%, 92%
XYZ	70.7458, 77.9395, 54.4951
YIQ	226.0830, 18.1590, -15.2250

Conversions

Conversions Part 2

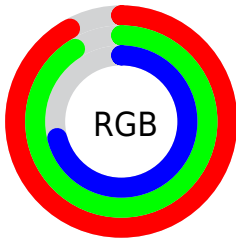
Format	Color
R_{YB}	183, 234, 180
Decimal	15394740
CIE _{Lab}	90.75, -7.01, 25.26
CIE _{LCh}	91, 26.217, 105.504
Yxy	77.9395, 0.3482, 0.3836
Android (android.graphics.Color)	4293584820 (0xFFEAE7B4)
YUV	226.0830, -22.7189, 6.9432
Hunter-Lab	88.2834, -11.4550, 25.2001

Details

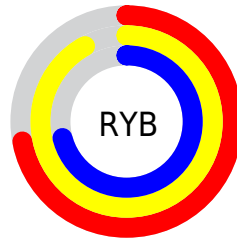
The XYZ color **70.7458, 77.9395, 54.4951** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.6070, 49.5096, 84.7313**, and the grayscale version is **72.5004, 76.2761, 83.0646**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **37.7162, 42.0480, 26.2069** is the 20% darker color. If you saturate the color by 10%, you get **68.1994, 76.3446, 42.8619**, and if you desaturate by 10%, it is **73.7015, 79.7078, 68.2521**.

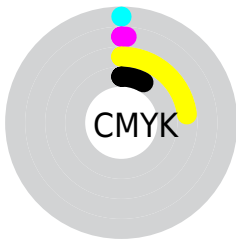
Distribution



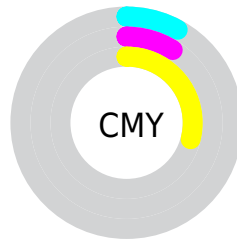
- Red (92%)
- Green (91%)
- Blue (71%)



- Red (72%)
- Yellow (92%)
- Blue (71%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7458, 77.9395, 54.4951 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 70.7458, 77.9395, 54.4951 by changing the saturation by 10% instead.

70.7458, 77.9395,
54.4951

70.7458, 77.9395,
54.4951

452.3900,
487.9613, 421.2231

52.4166, 58.0243,
38.6018

119.2922,
130.4648, 98.2645

37.5628, 41.8282,
26.1446

150.2400,
163.8437, 126.9777

25.8192, 28.9668,
16.7051

186.1248,
202.4793, 160.8012

16.8204, 19.0557,
9.8647

227.3119,
246.7560, 200.1536

10.2011, 11.7105,
5.2049

274.1666,
297.0581, 245.4535

5.5958, 6.5469,
2.3072

327.0543,

2.6392, 3.1804,

353.7701, 297.1193

0.7352

386.3403,
417.2764, 355.5696

■ 0.9660, 1.2266,
0.0000

■ 0.0000, 0.0833,
0.0000

■ 70.7458, 77.9395,
54.4951

■ 70.7458, 77.9395,
54.4951

■ 68.1994, 76.3446,
42.8619

■ 73.7015, 79.7078,
68.2521

■ 66.0359, 74.9044,
33.2410

■ 77.0791, 81.6465,
84.2267

■ 64.2355, 73.6138,
25.5187

■ 80.8983, 83.7662,
102.5134

■ 62.7739, 72.4630,
19.5674

■ 82.0340, 84.8168,
106.6554

61.6240, 71.4412,
15.2445

82.4094, 85.5676,
106.7805

60.7545, 70.5357,
12.3848

82.7875, 86.3239,
106.9065

60.1274, 69.7315,
10.7886

83.1684, 87.0856,
107.0335

59.7945, 69.2177,
10.2089

83.5520, 87.8528,
107.1614

83.9384, 88.6255,
107.2902

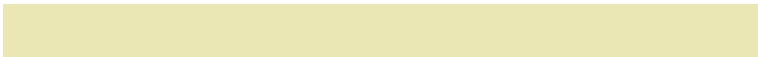
Harmonies

Analogous

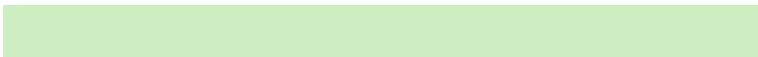
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2943, 77.9395, 54.3724



70.7458, 77.9395, 54.4951



65.4092, 77.9395, 61.8994

Triad

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



70.7458, 77.9395, 54.4951



65.5541, 77.9395, 113.4472



87.0272, 77.9395, 94.2681

Complementary

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



70.7458, 77.9395, 54.4951



50.6070, 49.5096, 84.7313

Split Complementary

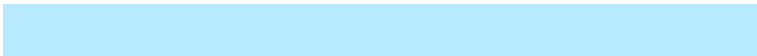
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4833, 77.9395, 112.9011



70.7458, 77.9395, 54.4951



70.9545, 77.9395, 125.0372

Square

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



70.7458, 77.9395, 54.4951



62.5351, 77.9395, 94.9300



77.5156, 77.9395, 124.8237



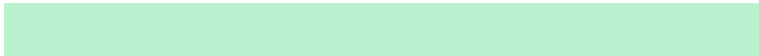
86.9631, 77.9395, 75.5339

Rectangle

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



70.7458, 77.9395, 54.4951



63.1436, 77.9395, 70.6969



77.5156, 77.9395, 124.8237



86.2096, 77.9395, 100.8050

Sweetspot

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



70.7478, 77.9430, 54.4967



91.9930, 98.2732, 94.3558



58.8635, 53.5798, 52.3684



19.6365, 21.0037, 19.9414



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.



70.7478, 77.9430, 54.4967



84.3596, 93.7235, 58.7721



64.4112, 75.9313, 54.4424



16.2762, 17.4755, 16.0340



33.6325, 38.9591, 5.7472



2.6628, 3.1030, 0.4586

Inverse Universe

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



50.6070, 49.5096, 84.7313



55.6108, 53.1396, 101.9337



55.9111, 51.3368, 84.8044



14.2982, 14.6829, 19.0027



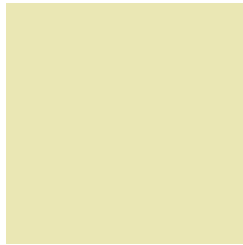
8.4546, 3.5562, 43.9838



0.6876, 0.3266, 3.4617

Previews

White Background



This preview shows how the XYZ color 70.7458, 77.9395, 54.4951 looks on a white background.

Color Contrast Check

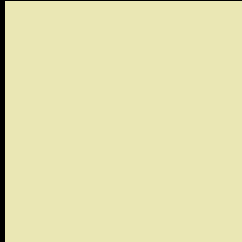
Large Text (above 18pt) WCAG AA × Fail

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 70.7458, 77.9395, 54.4951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

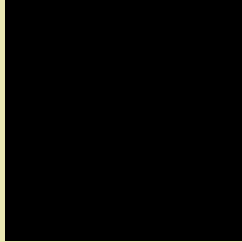
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

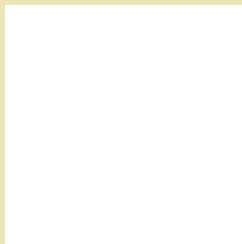
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7458, 77.9395, 54.4951

Background



This preview shows how black text looks on a background with the XYZ color 70.7458, 77.9395, 54.4951.



This preview shows how white text looks on a background with the XYZ color 70.7458, 77.9395,

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

70.7458, 77.9395, 54.4951

Protanopia

72.8422, 77.7962, 53.8248

Deuteranopia

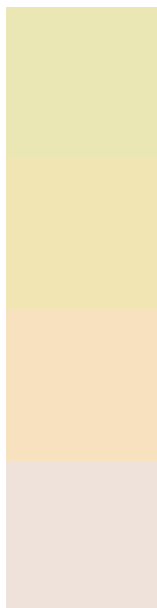
77.5543, 77.5798, 64.3129



Tritanopia

78.7338, 77.9439, 93.3330

Trichromacy



Original Color

70.7458, 77.9395, 54.4951

Protanomaly

72.0912, 77.8186, 53.8687

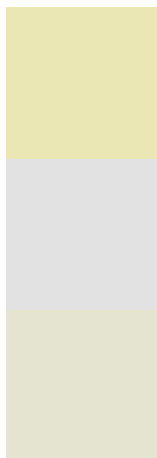
Deuteranomaly

74.6870, 77.3862, 60.2908

Tritanomaly

75.4478, 77.8054, 77.3711

Monochromacy



Original Color

70.7458, 77.9395, 54.4951

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.5651, 76.7483, 71.3636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7458, 77.9395, 54.4951 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(234, 231, 180)` looks like.

```
.text, #text, p{  
    color:rgb(234, 231, 180)  
}
```

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(234, 231, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 231, 180) }
```

Border

The CSS property to change the border of an element to XYZ 70.7458, 77.9395, 54.4951 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(234, 231, 180) }
```


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

```
.border{ border-color:rgb(234, 231, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 231, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 231, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 231, 180);  
box-shadow:4px 4px 4px 4px rgb(234, 231,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7458, 77.9395, 54.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 231, 180) }
```

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

```
.background{ background-color: rgb(234,  
231, 180) }
```

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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