

Converting Colors

XYZ(71.0481, 79.1775, 52.1242)

Have a look what the booklet for
XYZ(71.0481, 79.1775, 52.1242)
contains.

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Color

**XYZ(70.8085, 78.8654,
52.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE9AF
RGB	234, 233, 175
RGB Percent	92%, 91%, 69%
CMY	0.0824, 0.0863, 0.3137
CMYK	0.00, 0.00, 0.25, 0.08
HSL	59°, 58%, 80%
HSV	59°, 25%, 92%
XYZ	70.8085, 78.8654, 52.0480
YIQ	226.6870, 19.2140, -17.8260

Conversions

Conversions Part 2

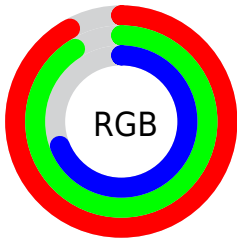
Format	Color
RYB	176, 234, 175
Decimal	15395247
CIELab	91.17, -8.69, 28.40
CIELCh	91, 29.702, 107.010
Yxy	78.8654, 0.3510, 0.3910
Android (android.graphics.Color)	4293585327 (0xFFEAE9AF)
YUV	226.6870, -25.4817, 6.4135
Hunter-Lab	88.8062, -13.0861, 27.4153

Details

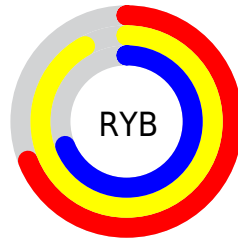
The XYZ color **70.8085, 78.8654, 52.0480** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.0557, 46.1042, 84.2085**, and the grayscale version is **72.9575, 76.7569, 83.5883**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **37.5951, 42.3144, 24.5984** is the 20% darker color. If you saturate the color by 10%, you get **68.5958, 77.8046, 40.9376**, and if you desaturate by 10%, it is **73.4238, 80.0931, 65.2593**.

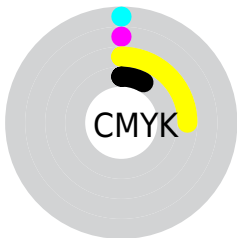
Distribution



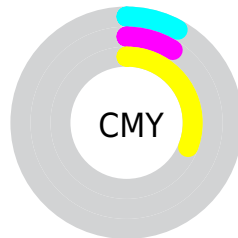
- Red (92%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (92%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8085, 78.8654, 52.0480 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 70.8085, 78.8654, 52.0480 by changing the saturation by 10% instead.

70.8085, 78.8654,
52.0480

70.8085, 78.8654,
52.0480

452.6060,
491.1009, 411.5841

52.4679, 58.7851,
36.6608

119.3810,
131.7694, 94.6293

37.6039, 42.4402,
24.6513

150.3436,
165.3618, 122.6606

25.8513, 29.4461,
15.6008

186.2443,
204.2272, 155.7436

16.8445, 19.4186,
9.0908

227.4484,
248.7498, 194.2969

10.2183, 11.9731,
4.7028

274.3213,
299.3141, 238.7391

5.6073, 6.7254,
2.0183

327.2282,

2.6462, 3.2910,

356.3045, 289.4886

0.5665

386.5347,
420.1052, 346.9641

■ 0.9695, 1.2855,
0.0000

■ 0.0000, 0.1299,
0.0000

■ 70.8085, 78.8654,
52.0480

■ 70.8085, 78.8654,
52.0480

■ 68.5958, 77.8046,
40.9376

■ 73.4238, 80.0931,
65.2593

■ 66.7592, 76.8918,
31.8149

■ 76.4546, 81.4848,
80.6669

■ 65.2782, 76.1217,
24.5637

■ 79.9210, 83.0510,
98.3664

■ 64.1280, 75.4844,
19.0539

■ 81.5712, 83.8912,
106.5011

63.2809, 74.9686,
15.1384

81.6840, 84.1168,
106.5387

62.7043, 74.5615,
12.6462

81.7970, 84.3429,
106.5764

62.3584, 74.2470,
11.3672

81.9104, 84.5695,
106.6141

62.2442, 74.1172,
11.0254

82.0239, 84.7966,
106.6520

82.1377, 85.0242,
106.6899

Harmonies

Analogous

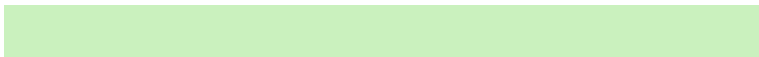
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2565, 78.8654, 51.5114



70.8085, 78.8654, 52.0480



64.8725, 78.8654, 60.6170

Triad

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



70.8085, 78.8654, 52.0480



65.5260, 78.8654, 119.8616



89.9492, 78.8654, 95.5195

Complementary

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



70.8085, 78.8654, 52.0480



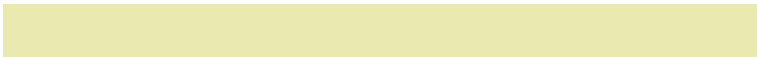
48.0557, 46.1042, 84.2085

Split Complementary

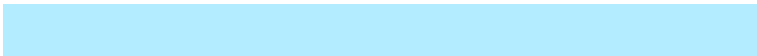
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0407, 78.8654, 117.3147



70.8085, 78.8654, 52.0480



71.7558, 78.8654, 132.8703

Square

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



70.8085, 78.8654, 52.0480



61.9655, 78.8654, 98.5633



79.2690, 78.8654, 131.8672



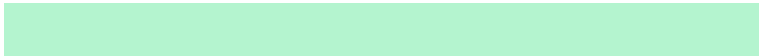
89.6531, 78.8654, 74.3180

Rectangle

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



70.8085, 78.8654, 52.0480



62.4210, 78.8654, 70.6919



79.2690, 78.8654, 131.8672



89.0730, 78.8654, 103.0809

Sweetspot

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



70.8105, 78.8689, 52.0497



91.8280, 98.5358, 92.4741



57.1950, 51.3264, 48.4711



19.5334, 21.0351, 19.1750



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.



70.8105, 78.8689, 52.0497



84.6761, 95.1944, 56.2946



62.7448, 75.1301, 51.7531



16.3289, 17.5808, 16.0515



34.9877, 41.6697, 6.1990



2.7544, 3.2860, 0.4891

Inverse Universe

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



48.0557, 46.1042, 84.2085



52.8039, 49.3019, 101.3409



54.6838, 49.2326, 84.4630



14.2516, 14.5896, 18.9872



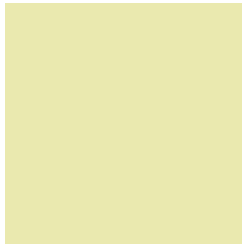
8.3788, 3.4045, 43.9585



0.6651, 0.2817, 3.4542

Previews

White Background



This preview shows how the XYZ color 70.8085, 78.8654, 52.0480 looks on a white background.

Color Contrast Check

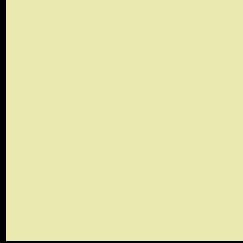
Large Text (above 18pt) WCAG AA × Fail

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 70.8085, 78.8654, 52.0480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

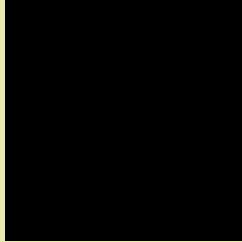
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.8085, 78.8654, 52.0480

Background



This preview shows how black text looks on a background with the XYZ color 70.8085, 78.8654, 52.0480.



This preview shows how white text looks on a background with the XYZ color 70.8085, 78.8654,

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

70.8085, 78.8654, 52.0480

Protanopia

73.5682, 78.6486, 50.8384

Deuteranopia

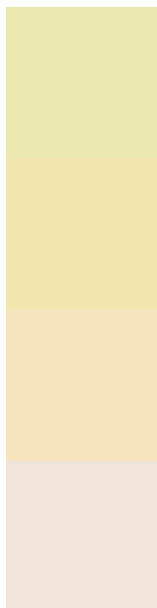
78.2045, 78.6948, 65.1006



Tritanopia

79.6448, 78.7768, 95.0121

Trichromacy



Original Color

70.8085, 78.8654, 52.0480

Protanomaly

72.5547, 78.5269, 51.3776

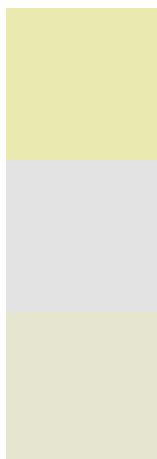
Deuteranomaly

75.1211, 78.4300, 59.8944

Tritanomaly

76.0592, 78.5254, 77.4778

Monochromacy



Original Color

70.8085, 78.8654, 52.0480

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.0376, 77.4157, 70.8204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8085, 78.8654, 52.0480 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, 233, 175)` looks like.

```
.text, #text, p{  
    color:rgb(234, 233, 175)  
}
```

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, 233, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 233, 175) }
```

Border

The CSS property to change the border of an element to XYZ 70.8085, 78.8654, 52.0480 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, 233, 175) }
```


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

```
.border{ border-color:rgb(234, 233, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 233, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 233, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 233, 175);  
box-shadow:4px 4px 4px 4px rgb(234, 233,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8085, 78.8654, 52.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 233, 175) }
```

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

```
.background{ background-color: rgb(234,  
233, 175) }
```

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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