

Converting Colors

XYZ(75.7785, 83.0529, 50.0219)

Have a look what the booklet for
XYZ(75.7785, 83.0529, 50.0219)
contains.

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Color

**XYZ(75.8977, 83.2448,
50.0978)**

Conversions

Conversions Part 1

Format	Color
Hex	F7EDAA
RGB	247, 237, 170
RGB Percent	97%, 93%, 67%
CMY	0.0314, 0.0706, 0.3333
CMYK	0.00, 0.04, 0.31, 0.03
HSL	52°, 83%, 82%
HSV	52°, 31%, 97%
XYZ	75.8977, 83.2448, 50.0978
YIQ	232.3520, 27.4670, -18.7170

Conversions

Conversions Part 2

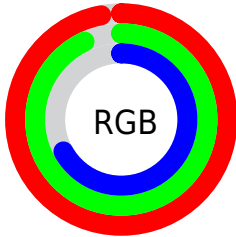
Format	Color
RYB	181, 247, 170
Decimal	16248234
CIELab	93.12, -6.48, 33.74
CIELCh	93, 34.356, 100.867
Yxy	83.2448, 0.3627, 0.3978
Android (android.graphics.Color)	4294438314 (0xFFF7EDAA)
YUV	232.3520, -30.7395, 12.8463
Hunter-Lab	91.2386, -11.1806, 31.3117

Details

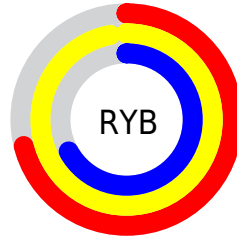
The XYZ color **75.8977, 83.2448, 50.0978** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **49.6871, 47.9028, 94.6234**, and the grayscale version is **77.1761, 81.1952, 88.4216**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **40.9700, 45.2793, 23.4100** is the 20% darker color. If you saturate the color by 10%, you get **72.8581, 80.5599, 38.6200**, and if you desaturate by 10%, it is **79.3972, 86.1461, 63.8966**.

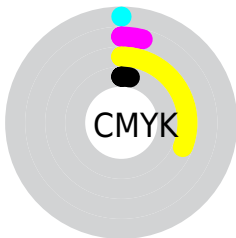
Distribution



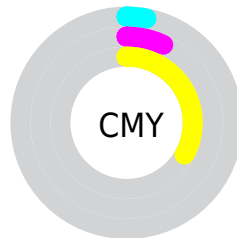
- Red (97%)
- Green (93%)
- Blue (67%)



- Red (71%)
- Yellow (97%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (31%)
- Black (3%)




- Cyan (3%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8977, 83.2448, 50.0978 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 75.8977, 83.2448, 50.0978 by changing the saturation by 10% instead.


 75.8977, 83.2448,
50.0978

 75.8977, 83.2448,
50.0978


469.9472,
505.8020, 403.7943

 56.6454, 62.3921,
35.1194


 126.5634,
137.9183, 91.7176

 40.9596, 45.3496,
23.4706


158.7075,
172.5079, 119.1960

 28.4751, 31.7329,
14.7328


195.8796,
212.4452, 151.6782

 18.8264, 21.1576,
8.4875

238.4451,
258.1147, 189.5826

 11.6481, 13.2392,
4.3162

286.7692,
309.9007, 233.3280

 6.5751, 7.5935,
1.8004

341.2173,

 3.2417, 3.8359,

368.1877, 283.3326

0.4282

402.1549,
433.3600, 340.0152

■ 1.2829, 1.5822,
0.0000

■ 0.1703, 0.3456,
0.0000

■ 75.8977, 83.2448,
50.0978

■ 75.8977, 83.2448,
50.0978

■ 72.8581, 80.5599,
38.6200

■ 79.3972, 86.1461,
63.8966

■ 70.2472, 78.0699,
29.3281

■ 83.3730, 89.2617,
80.1308

■ 68.0401, 75.7678,
22.0813

■ 87.8486, 92.6040,
98.9137

■ 66.2064, 73.6411,
16.7200

■ 90.5408, 95.2600,
108.2227

■ 64.7112, 71.6758,
13.0611

■ 91.5446, 97.2677,
108.5574

■ 63.5127, 69.8551,
10.8850

■ 92.1679, 98.5142,
108.7651

■ 62.6432, 68.3448,
9.8902

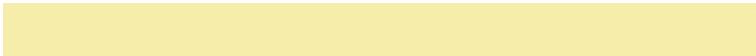
Harmonies

Analogous

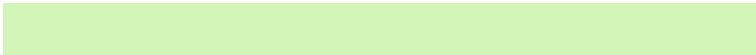
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9414, 83.2448, 51.3557



75.8977, 83.2448, 50.0978



68.3109, 83.2448, 58.0362

Triad

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



75.8977, 83.2448, 50.0978



66.7212, 83.2448, 127.1652



96.6582, 83.2448, 107.9075

Complementary

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



75.8977, 83.2448, 50.0978



49.6871, 47.9028, 94.6234

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.



91.0168, 83.2448, 133.6134



75.8977, 83.2448, 50.0978



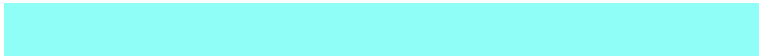
73.5740, 83.2448, 146.1096

Square

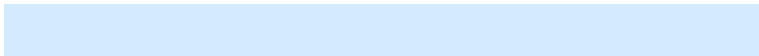
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8977, 83.2448, 50.0978



63.2870, 83.2448, 100.3270



82.4357, 83.2448, 148.6710



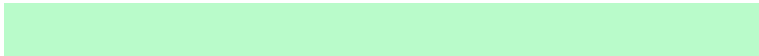
97.3992, 83.2448, 81.5965

Rectangle

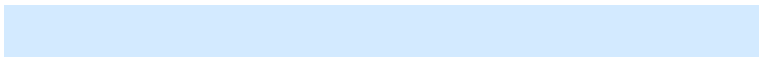
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8977, 83.2448, 50.0978



64.9229, 83.2448, 68.5514



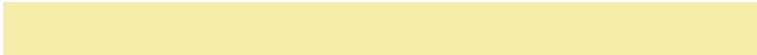
82.4357, 83.2448, 148.6710



95.2530, 83.2448, 117.0255

Sweetspot

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



75.8998, 83.2486, 50.0995



90.6296, 96.7231, 90.2739



60.9987, 51.8308, 50.1130



19.2545, 20.5934, 18.7235



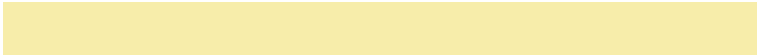
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

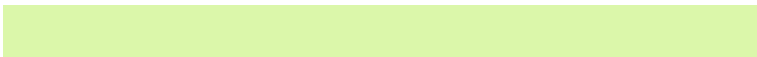
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8998, 83.2486, 50.0995



79.6191, 87.7747, 46.3025



69.6604, 84.4482, 50.6599



17.7205, 18.9250, 17.5165



33.2044, 36.2944, 5.2555



2.9684, 3.2901, 0.4786

Inverse Universe

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



49.6871, 47.9028, 94.6234



47.6012, 44.6082, 100.7091



54.5144, 47.5034, 94.2919



15.7545, 16.2733, 20.8533



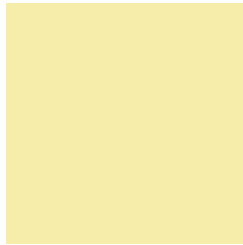
9.2089, 4.2115, 46.8656



0.8630, 0.4774, 4.1369

Previews

White Background



This preview shows how the XYZ color 75.8977, 83.2448, 50.0978 looks on a white background.

Color Contrast Check

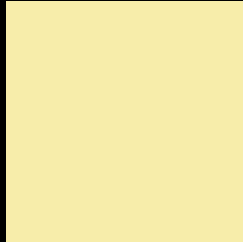
Large Text (above 18pt) WCAG AA × Fail

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 75.8977, 83.2448, 50.0978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

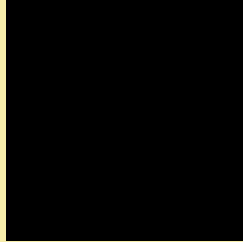
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.8977, 83.2448, 50.0978

Background



This preview shows how black text looks on a background with the XYZ color 75.8977, 83.2448, 50.0978.



This preview shows how white text looks on a background with the XYZ color 75.8977, 83.2448,

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

75.8977, 83.2448, 50.0978

Protanopia

77.3778, 83.1639, 49.5101

Deuteranopia

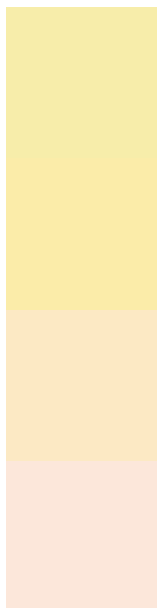
81.5738, 83.1150, 73.3714



Tritanopia

85.4648, 83.3394, 97.9678

Trichromacy



Original Color

75.8977, 83.2448, 50.0978

Protanomaly

76.9405, 83.3647, 49.5719

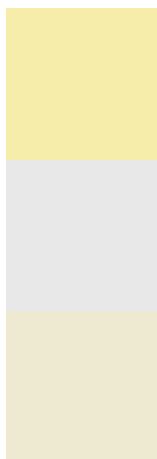
Deuteranomaly

79.2476, 82.9588, 64.0604

Tritanomaly

81.3757, 82.9092, 78.0438

Monochromacy



Original Color

75.8977, 83.2448, 50.0978

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.8565, 81.4536, 72.0457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8977, 83.2448, 50.0978 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(247, 237, 170)` looks like.

```
.text, #text, p{  
    color:rgb(247, 237, 170)  
}
```

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(247, 237, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 237, 170) }
```

Border

The CSS property to change the border of an element to XYZ 75.8977, 83.2448, 50.0978 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(247, 237, 170) }
```


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

```
.border{ border-color:rgb(247, 237, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 237, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 237, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 237, 170);  
box-shadow:4px 4px 4px 4px rgb(247, 237,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8977, 83.2448, 50.0978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 237, 170) }
```

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

```
.background{ background-color: rgb(247,  
237, 170) }
```

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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