

Converting Colors

XYZ(86.7627, 85.5218, 53.0572)

Have a look what the booklet for
XYZ(86.7627, 85.5218, 53.0572)
contains.

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Color

**XYZ(77.0958, 80.4332,
52.5361)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B0
RGB	255, 229, 176
RGB Percent	100%, 90%, 69%
CMY	0.0000, 0.1019, 0.3098
CMYK	0.00, 0.10, 0.31, 0.00
HSL	40°, 100%, 85%
HSV	40°, 31%, 100%
XYZ	77.0958, 80.4332, 52.5361
YIQ	230.7320, 32.5090, -10.9710

Conversions

Conversions Part 2

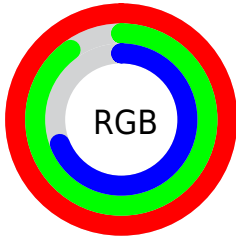
Format	Color
R _Y B	215, 255, 176
Decimal	16770480
CIE Lab	91.88, 1.31, 29.13
CIE LCh	92, 29.161, 87.431
Yxy	80.4332, 0.3670, 0.3829
Android (android.graphics.Color)	4294960560 (0xFFFFE5B0)
YUV	230.7320, -26.9829, 21.2830
Hunter-Lab	89.6846, -3.5035, 28.0478

Details

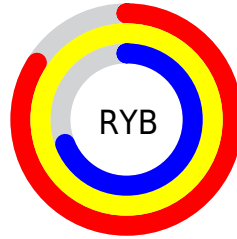
The XYZ color **77.0958, 80.4332, 52.5361** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.0745, 58.6894, 102.9278**, and the grayscale version is **75.9354, 79.8899, 87.0001**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **41.7372, 43.5725, 24.9494** is the 20% darker color. If you saturate the color by 10%, you get **72.5407, 74.9885, 39.7175**, and if you desaturate by 10%, it is **82.2410, 86.2992, 67.8914**.

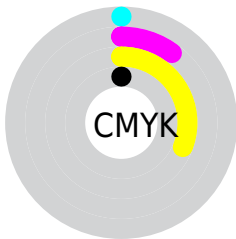
Distribution



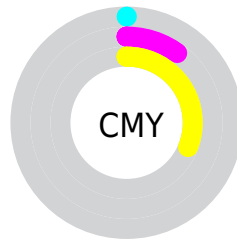
- Red (100%)
- Green (90%)
- Blue (69%)



- Red (84%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (10%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.0958, 80.4332, 52.5361 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 77.0958, 80.4332, 52.5361 by changing the saturation by 10% instead.


 77.0958, 80.4332,
52.5361

 77.0958, 80.4332,
52.5361


473.9775,
496.3915, 413.5185

 57.6317, 60.0749,
37.0474


 128.2468,
133.9746, 95.3560

 41.7547, 43.4790,
24.9481


160.6645,
167.9265, 123.5243

 29.0996, 30.2611,
15.8197


198.1307,
207.1784, 156.7562

 19.3008, 20.0369,
9.2437

241.0108,
252.1147, 195.4702

 11.9931, 12.4219,
4.8015

289.6702,
303.1198, 240.0849

 6.8112, 7.0317,
2.0746

344.4742,

 3.3896, 3.4819,

360.5780, 291.0188

0.6006

405.7882,
424.8738, 348.6905

■ 1.3630, 1.3882,
0.0000

■ 0.2296, 0.2080,
0.0000

■ 77.0958, 80.4332,
52.5361

■ 77.0958, 80.4332,
52.5361

■ 72.5407, 74.9885,
39.7175

■ 82.2410, 86.2992,
67.8914

■ 68.5416, 69.9404,
29.2901

■ 87.9966, 92.5885,
85.9080

■ 65.0698, 65.2777,
21.1009

■ 94.3887, 99.3169,
106.7084

■ 62.0909, 60.9840,
14.9775

■ 95.0500, 100.0000,
108.9000

■ 59.5656, 57.0409,
10.7215

■ 57.4473, 53.4271,
8.0954

■ 55.8207, 50.4215,
6.7902

Harmonies

Analogous

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



84.4563, 80.4332, 57.2484



77.0958, 80.4332, 52.5361



70.0129, 80.4332, 55.8690

Triad

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



77.0958, 80.4332, 52.5361



64.3808, 80.4332, 107.9582



89.2225, 80.4332, 111.6764

Complementary

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



77.0958, 80.4332, 52.5361



57.0745, 58.6894, 102.9278

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.



83.2687, 80.4332, 129.4623



77.0958, 80.4332, 52.5361



68.9652, 80.4332, 127.0813

Square

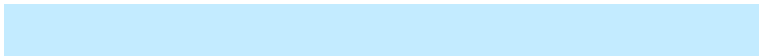
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0958, 80.4332, 52.5361



62.9621, 80.4332, 85.7448



75.8065, 80.4332, 135.5105



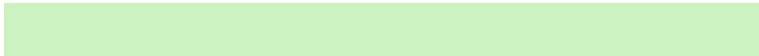
91.7370, 80.4332, 89.4373

Rectangle

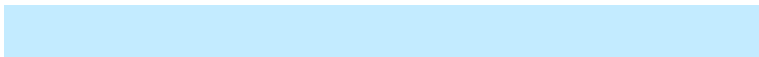
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0958, 80.4332, 52.5361



66.3384, 80.4332, 62.5635



75.8065, 80.4332, 135.5105



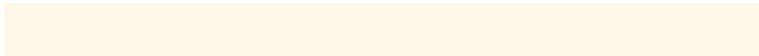
87.5388, 80.4332, 118.5034

Sweetspot

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



77.0978, 80.4368, 52.5378



89.2107, 93.8852, 89.8009



67.4661, 56.5916, 63.4526



18.9032, 19.8909, 18.6064



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

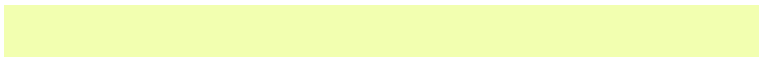
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0978, 80.4368, 52.5378



74.2857, 77.1079, 44.5247



80.1576, 93.5025, 54.8984



19.0280, 20.0242, 19.0065



29.3099, 26.6310, 3.5955



2.9538, 2.7930, 0.3834

Inverse Universe

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



57.0745, 58.6894, 102.9278



51.4603, 52.3263, 101.9955



54.6038, 49.1119, 101.2093



17.4912, 18.3539, 22.8707



11.2051, 7.3198, 50.2569



1.1860, 0.9028, 4.9250

Previews

White Background



This preview shows how the XYZ color 77.0958, 80.4332, 52.5361 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 77.0958, 80.4332, 52.5361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

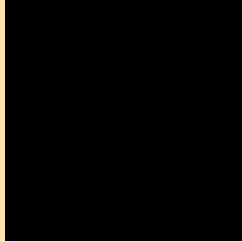
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.0958, 80.4332, 52.5361

Background



This preview shows how black text looks on a background with the XYZ color 77.0958, 80.4332, 52.5361.



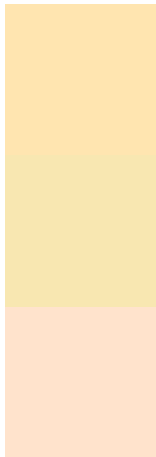
This preview shows how white text looks on a background with the XYZ color 77.0958, 80.4332,

52.5361.

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

77.0958, 80.4332, 52.5361

Protanopia

75.2231, 80.2826, 53.1264

Deuteranopia

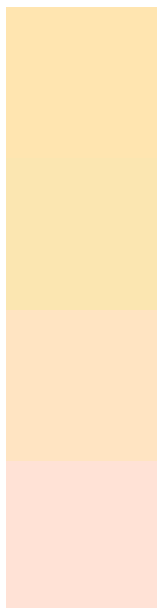
79.6082, 80.5578, 68.4802



Tritanopia

83.0360, 80.6274, 90.5431

Trichromacy



Original Color

77.0958, 80.4332, 52.5361

Protanomaly

76.0163, 80.2772, 53.0835

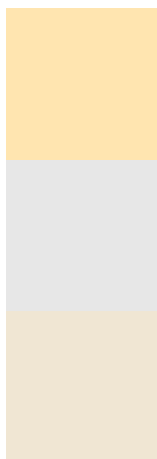
Deuteranomaly

78.7210, 80.6418, 62.4553

Tritanomaly

80.5740, 80.5078, 74.9112

Monochromacy



Original Color

77.0958, 80.4332, 52.5361

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.9899, 79.8220, 73.0301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0958, 80.4332, 52.5361 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(255, 229, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 176)  
}
```

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(255, 229, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 176) }
```

Border

The CSS property to change the border of an element to XYZ 77.0958, 80.4332, 52.5361 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(255, 229, 176) }
```


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

```
.border{ border-color:rgb(255, 229, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 176); box-shadow:4px 4px 4px 4px rgb(255, 229, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0958, 80.4332, 52.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 176) }
```

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

```
.background{ background-color: rgb(255,  
229, 176) }
```

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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