

Converting Colors

XYZ(78.8698, 85.2250, 49.3326)

Have a look what the booklet for
XYZ(78.8698, 85.2250, 49.3326)
contains.

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Color

**XYZ(78.8824, 85.2362,
49.3405)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEA8
RGB	255, 238, 168
RGB Percent	100%, 93%, 66%
CMY	0.0000, 0.0666, 0.3412
CMYK	0.00, 0.07, 0.34, 0.00
HSL	48°, 100%, 83%
HSV	48°, 34%, 100%
XYZ	78.8824, 85.2362, 49.3405
YIQ	235.1030, 32.6020, -18.1660

Conversions

Conversions Part 2

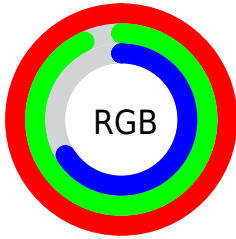
Format	Color
RYB	189, 255, 168
Decimal	16772776
CIELab	93.98, -4.20, 36.01
CIELCh	94, 36.254, 96.646
Yxy	85.2362, 0.3695, 0.3993
Android (android.graphics.Color)	4294962856 (0xFFFFEEA8)
YUV	235.1030, -33.0818, 17.4497
Hunter-Lab	92.3235, -9.0532, 32.9400

Details

The XYZ color **78.8824, 85.2362, 49.3405** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.5471, 50.2413, 101.5885**, and the grayscale version is **79.2725, 83.4009, 90.8236**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **42.8484, 46.5640, 22.9491** is the 20% darker color. If you saturate the color by 10%, you get **75.3064, 81.5204, 37.5553**, and if you desaturate by 10%, it is **82.9686, 89.2264, 63.5959**.

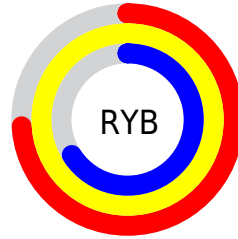
Distribution



Red (100%)

Green (93%)

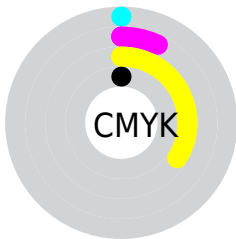
Blue (66%)



Red (74%)

Yellow (100%)

Blue (66%)

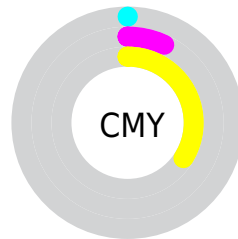


Cyan (0%)

Magenta (7%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8824, 85.2362, 49.3405 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 78.8824, 85.2362, 49.3405 by changing the saturation by 10% instead.


 78.8824, 85.2362,
49.3405

 78.8824, 85.2362,
49.3405


479.9525,
512.4093, 400.7422

 59.1044, 64.0366,
34.5222


 130.7521,
140.7031, 90.5832

 42.9439, 46.6803,
23.0144


163.5745,
175.7392, 117.8446

 30.0354, 32.7830,
14.3988


201.4758,
216.1563, 150.0908

 20.0137, 21.9602,
8.2566

244.8213,
262.3386, 187.7403

 12.5133, 13.8277,
4.1695

293.9763,
314.6707, 231.2116

 7.1690, 8.0009,
1.7188

349.3063,

 3.6153, 4.0955,

373.5369, 280.9234

0.3735

411.1766,
439.3217, 337.2940

■ 1.4869, 1.7271,
0.0000

■ 0.3169, 0.4411,
0.0000

■ 78.8824, 85.2362,
49.3405

■ 78.8824, 85.2362,
49.3405

■ 75.3064, 81.5204,
37.5553

■ 82.9686, 89.2264,
63.5959

■ 72.2067, 78.0557,
28.0909

■ 87.5842, 93.4900,
80.4487

■ 69.5547, 74.8333,
20.7899

■ 92.7549, 98.0409,
100.0235

■ 67.3162, 71.8390,
15.4730

95.0500, 100.0000,
108.9000

■ 65.4514, 69.0562,
11.9321

■ 63.9115, 66.4650,
9.9126

■ 63.1168, 65.0136,
9.2223

Harmonies

Analogous

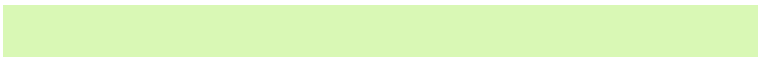
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6079, 85.2362, 52.0146



78.8824, 85.2362, 49.3405



70.4196, 85.2362, 56.3157

Triad

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



78.8824, 85.2362, 49.3405



66.9982, 85.2362, 128.3421



99.3040, 85.2362, 115.5482

Complementary

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



78.8824, 85.2362, 49.3405



51.5471, 50.2413, 101.5885

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.



92.6220, 85.2362, 142.4021



78.8824, 85.2362, 49.3405



73.8677, 85.2362, 150.7556

Square

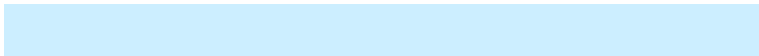
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8824, 85.2362, 49.3405



63.9199, 85.2362, 99.1054



83.1846, 85.2362, 156.3555



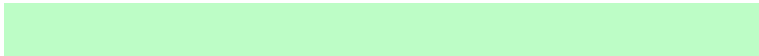
100.9136, 85.2362, 86.7826

Rectangle

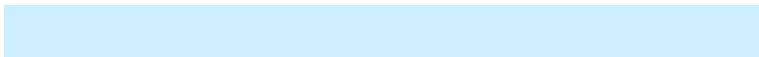
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8824, 85.2362, 49.3405



66.4601, 85.2362, 66.5100



83.1846, 85.2362, 156.3555



97.5521, 85.2362, 125.2581

Sweetspot

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



78.8845, 85.2401, 49.3423



89.6443, 95.3281, 88.1707



64.0425, 52.7859, 52.9350



19.0347, 20.2686, 18.2967



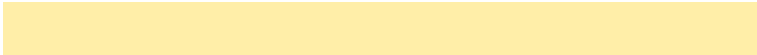
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

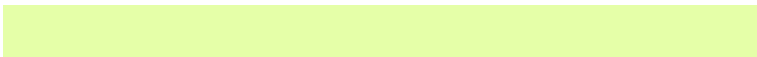
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8845, 85.2401, 49.3423



76.3690, 82.6518, 40.9728



75.1095, 90.9889, 50.6509



19.2420, 20.4522, 19.0778



33.0867, 34.1846, 4.8544



3.2950, 3.4754, 0.4971

Inverse Universe

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



51.5471, 50.2413, 101.5885



45.2494, 42.8243, 100.4888



54.3273, 46.7089, 100.7601



17.2902, 17.9520, 22.8037



10.1043, 5.1181, 49.8899



1.0553, 0.6414, 4.8814

Previews

White Background



This preview shows how the XYZ color 78.8824, 85.2362, 49.3405 looks on a white background.

Color Contrast Check

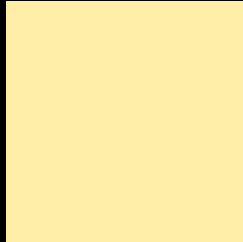
Large Text (above 18pt) WCAG AA × Fail

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 78.8824, 85.2362, 49.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

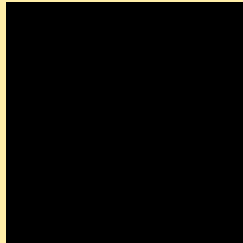
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8824, 85.2362, 49.3405

Background



This preview shows how black text looks on a background with the XYZ color 78.8824, 85.2362, 49.3405.

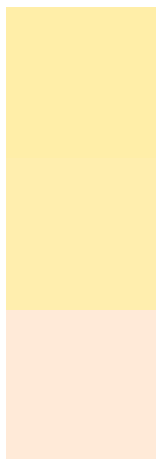


This preview shows how white text looks on a background with the XYZ color 78.8824, 85.2362,

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

78.8824, 85.2362, 49.3405

Protanopia

79.4545, 85.4651, 52.3531

Deuteranopia

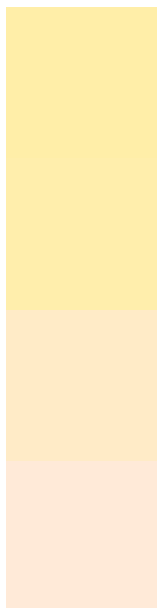
83.0575, 85.0635, 77.0070



Tritanopia

86.2743, 85.4443, 96.7393

Trichromacy



Original Color

78.8824, 85.2362, 49.3405

Protanomaly

79.2609, 85.3876, 51.3337

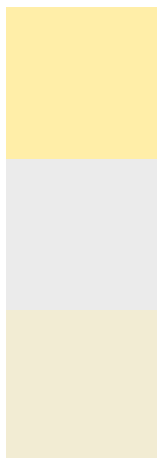
Deuteranomaly

81.2571, 84.8002, 66.1182

Tritanomaly

83.0575, 85.0635, 77.0070

Monochromacy



Original Color

78.8824, 85.2362, 49.3405

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3713, 83.5713, 73.6283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8824, 85.2362, 49.3405 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, 238, 168)` looks like.

```
.text, #text, p{  
  color:rgb(255, 238, 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(255, 238, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 168) }
```

Border

The CSS property to change the border of an element to XYZ 78.8824, 85.2362, 49.3405 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, 238, 168) }
```


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

```
.border{ border-color:rgb(255, 238, 168) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8824, 85.2362, 49.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 168) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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