

# Converting Colors

XYZ(77.3246, 84.2295, 42.3195)

Have a look what the booklet for  
XYZ(77.3246, 84.2295, 42.3195)  
contains.

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# Color

**XYZ(77.2740, 84.1283,  
42.3026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFED99
RGB	255, 237, 153
RGB Percent	100%, 93%, 60%
CMY	0.0000, 0.0706, 0.4000
CMYK	0.00, 0.07, 0.40, 0.00
HSL	49°, 100%, 80%
HSV	49°, 40%, 100%
XYZ	77.2740, 84.1283, 42.3026
YIQ	232.8060, 37.6920, -22.3080

# Conversions

## Conversions Part 2

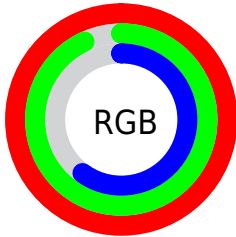
Format	Color
<a href="#">RYB</a>	<a href="#">175, 255, 153</a>
Decimal	<a href="#">16772505</a>
CIELab	<a href="#">93.51, -5.35, 42.87</a>
CIELCh	<a href="#">94, 43.199, 97.112</a>
Yxy	<a href="#">84.1283, 0.3793, 0.4130</a>
Android (android.graphics.Color)	<a href="#">4294962585</a> ( <a href="#">0xFFFFE999</a> )
YUV	<a href="#">232.8060, -39.3444, 19.4641</a>
Hunter-Lab	<a href="#">91.7215, -10.1290, 36.8601</a>

# Details

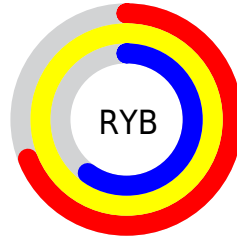
The XYZ color **77.2740, 84.1283, 42.3026** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.7495, 43.1168, 100.5189**, and the grayscale version is **77.5747, 81.6147, 88.8784**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **41.8501, 45.8382, 18.6985** is the 20% darker color. If you saturate the color by 10%, you get **74.1035, 80.8051, 31.9421**, and if you desaturate by 10%, it is **80.9315, 87.7046, 55.0476**.

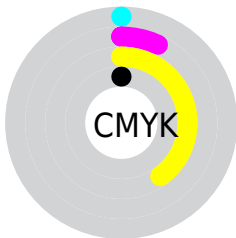
# Distribution



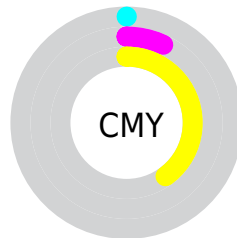
- Red (100%)
- Green (93%)
- Blue (60%)



- Red (69%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (7%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2740, 84.1283, 42.3026 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 77.2740, 84.1283, 42.3026 by changing the saturation by 10% instead.



77.2740, 84.1283,  
42.3026

77.2740, 84.1283,  
42.3026

474.5754,  
508.7392, 371.5724

57.7785, 63.1214,  
29.0110

128.4970,  
139.1546, 79.9324

41.8732, 45.9394,  
18.8435

160.9552,  
173.9428, 105.1077

29.1927, 32.1980,  
11.3816

198.4649,  
214.0936, 135.0813

19.3716, 21.5128,  
6.2067

241.3917,  
259.9912, 170.2717

12.0447, 13.4993,  
2.9004

290.1007,  
312.0202, 211.0974

6.8466, 7.7733,  
1.0440

344.9575,

3.4118, 3.9502,

370.5650, 257.9771

0.0000

406.3272,  
436.0098, 311.3293

■ 1.3751, 1.6458,  
0.0000

■ 0.2384, 0.3882,  
0.0000

■ 77.2740, 84.1283,  
42.3026

■ 77.2740, 84.1283,  
42.3026

■ 74.1035, 80.8051,  
31.9421

■ 80.9315, 87.7046,  
55.0476

■ 71.3845, 77.7115,  
23.8085

■ 85.0962, 91.5334,  
70.3110

■ 69.0865, 74.8377,  
17.7333

■ 89.7950, 95.6289,  
88.2227

■ 67.1724, 72.1687,  
13.5218

95.0500, 100.0000,  
108.9000

■ 65.5979, 69.6862,  
10.9418

■ 64.2905, 67.3610,  
9.6136

■ 64.2904, 67.3607,  
9.6135

# Harmonies

## Analogous

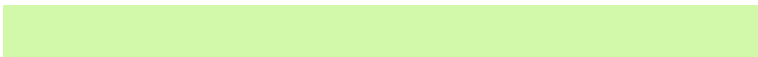
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8079, 84.1283, 45.0278



77.2740, 84.1283, 42.3026



67.4327, 84.1283, 50.0525

# Triad

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



77.2740, 84.1283, 42.3026



63.7002, 84.1283, 135.0177



101.9407, 84.1283, 118.2969

# Complementary

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



77.2740, 84.1283, 42.3026



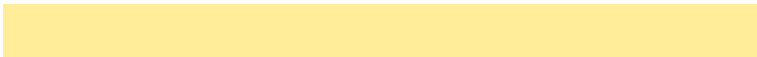
45.7495, 43.1168, 100.5189

# 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.



93.9532, 84.1283, 151.4481



77.2740, 84.1283, 42.3026



71.7229, 84.1283, 162.5952

# Square

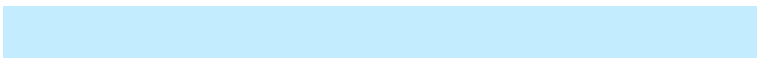
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2740, 84.1283, 42.3026



60.0944, 84.1283, 99.6085



82.7104, 84.1283, 169.2319



103.7855, 84.1283, 84.0354

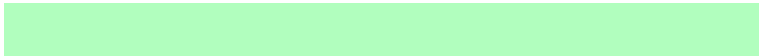


# Rectangle

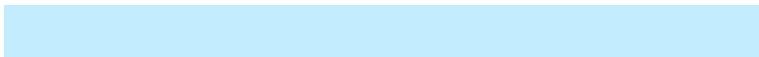
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2740, 84.1283, 42.3026



62.9060, 84.1283, 61.5256



82.7104, 84.1283, 169.2319



99.8506, 84.1283, 130.1608

# Sweetspot

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



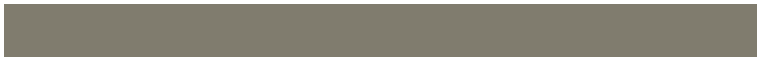
77.2761, 84.1322, 42.3043



88.8109, 94.7876, 84.4208



60.0495, 47.0104, 44.7888



18.8742, 20.1722, 17.5510



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

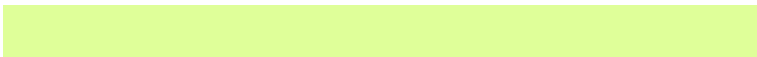
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2761, 84.1322, 42.3043



74.7004, 81.4512, 33.8302



71.8493, 89.4605, 43.6188



19.2726, 20.5134, 19.0880



33.6925, 35.3962, 5.0564



3.3487, 3.5828, 0.5151



# Inverse Universe

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



45.7495, 43.1168, 100.5189



39.2473, 35.3489, 99.3622



49.5221, 40.3552, 99.7870



17.2620, 17.8957, 22.7944



9.9961, 4.9018, 49.8539



1.0408, 0.6124, 4.8766



# Previews

## White Background



This preview shows how the XYZ color 77.2740, 84.1283, 42.3026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

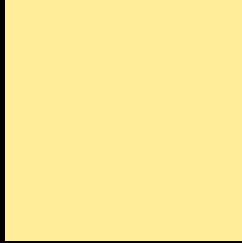
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2740, 84.1283, 42.3026 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 77.2740, 84.1283, 42.3026**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2740, 84.1283, 42.3026.



This preview shows how white text looks on a background with the XYZ color 77.2740, 84.1283,



# 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

77.2740, 84.1283, 42.3026

### Protanopia

77.9363, 83.9312, 47.2146

### Deuteranopia

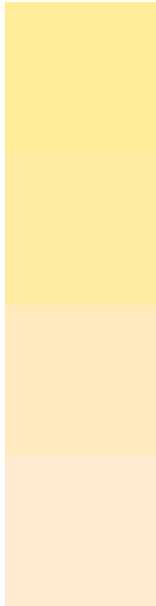
82.1368, 84.2410, 73.5591



## Tritanopia

85.4140, 84.2045, 94.9704

# Trichromacy



## Original Color

77.2740, 84.1283, 42.3026

## Protanomaly

77.5806, 83.7890, 45.3417

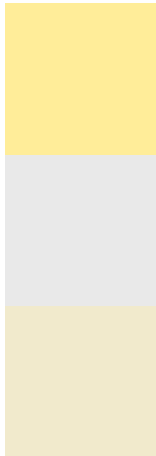
## Deuteranomaly

79.9571, 83.8233, 60.6805

## Tritanomaly

81.8875, 84.1413, 72.2466

# Monochromacy



## Original Color

77.2740, 84.1283, 42.3026

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.5975, 81.9060, 68.8991

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2740, 84.1283, 42.3026 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, 237, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 153)  
}
```

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, 237, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2740, 84.1283, 42.3026 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, 237, 153) }
```



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

```
.border{ border-color:rgb(255, 237, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2740, 84.1283, 42.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 153) }
```

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

```
.background{ background-color: rgb(255,  
237, 153) }
```

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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