

Converting Colors

XYZ(77.4099, 84.4001, 42.3479)

Have a look what the booklet for
XYZ(77.4099, 84.4001, 42.3479)
contains.

| | |
|--|----|
| XYZ(77.2740, 84.1283, 42.3026) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

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

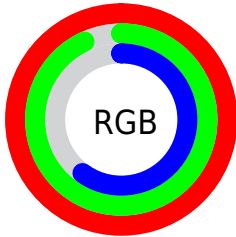
| Format | Color |
|-------------------------------------|---|
| RYB | 175, 255, 153 |
| Decimal | 16772505 |
| CIELab | 93.51, -5.35, 42.87 |
| CIELCh | 94, 43.199, 97.112 |
| Yxy | 84.1283, 0.3793, 0.4130 |
| Android (android.graphics.Color) | 4294962585 (0xFFFFE999) |
| YUV | 232.8060, -39.3444, 19.4641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

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**.

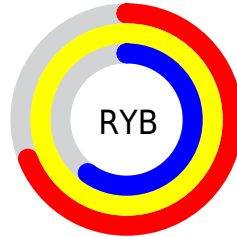
Distribution



Red (100%)

Green (93%)

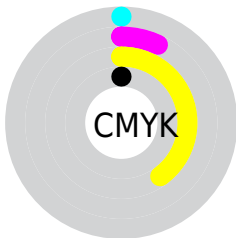
Blue (60%)



Red (69%)

Yellow (100%)

Blue (60%)

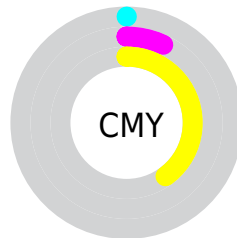


Cyan (0%)

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

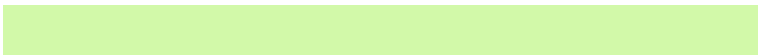
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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



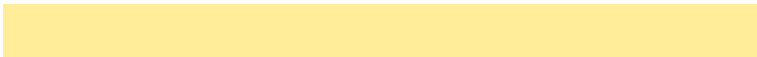
45.7495, 43.1168, 100.5189

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

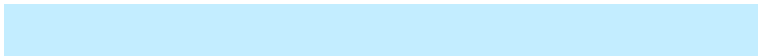
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2740, 84.1283, 42.3026



60.0944, 84.1283, 99.6085



82.7104, 84.1283, 169.2319



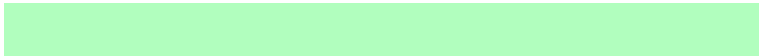
103.7855, 84.1283, 84.0354

Rectangle

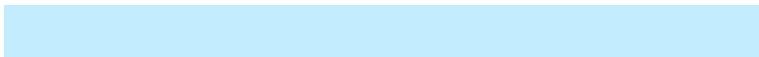
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



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

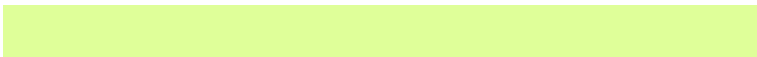
The Same Dimension uses a secret algorithm to generate beautiful new colors.



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

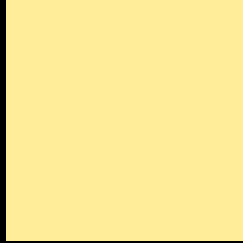
Large Text (above 18pt) WCAG AA × Fail

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.

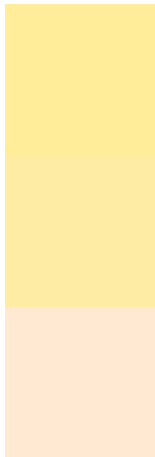


This preview shows how white text looks on a background with the XYZ color 77.2740, 84.1283,

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

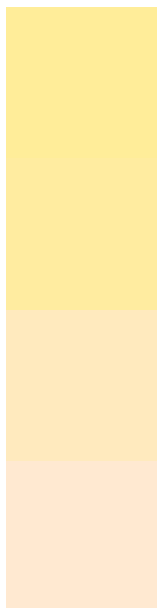
82.1368, 84.2410, 73.5591



Tritanopia

85.4140, 84.2045, 94.9704

Trichromacy



Original Color

77.2740, 84.1283, 42.3026

Protanomaly

77.5806, 83.7890, 45.3417

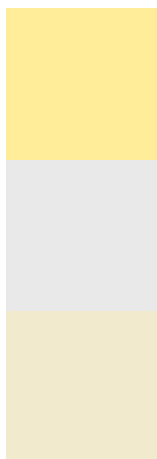
Deuteranomaly

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor