

Converting Colors

XYZ(77.3219, 84.7536, 40.6867)

Have a look what the booklet for
XYZ(77.3219, 84.7536, 40.6867)
contains.

XYZ(77.2394, 84.5790, 40.6882)	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(77.2394, 84.5790,
40.6882)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE95
RGB	255, 238, 149
RGB Percent	100%, 93%, 58%
CMY	0.0000, 0.0666, 0.4157
CMYK	0.00, 0.07, 0.42, 0.00
HSL	50°, 100%, 79%
HSV	50°, 42%, 100%
XYZ	77.2394, 84.5790, 40.6882
YIQ	232.9370, 38.7010, -24.0750

Conversions

Conversions Part 2

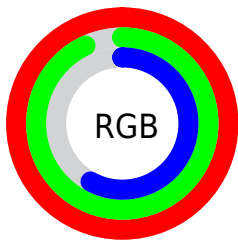
Format	Color
R_{YB}	169, 255, 149
Decimal	16772757
CIE _{Lab}	93.70, -6.26, 45.08
CIE _{LCh}	94, 45.516, 97.904
Yxy	84.5790, 0.3814, 0.4177
Android (android.graphics.Color)	4294962837 (0xFFFFEE95)
YUV	232.9370, -41.3809, 19.3493
Hunter-Lab	91.9668, -11.0267, 38.1456

Details

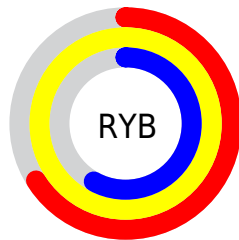
The XYZ color **77.2394, 84.5790, 40.6882** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.0804, 40.8808, 100.1752**, and the grayscale version is **77.6878, 81.7336, 89.0079**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **41.8652, 46.1707, 17.7716** is the 20% darker color. If you saturate the color by 10%, you get **74.2463, 81.5019, 30.7225**, and if you desaturate by 10%, it is **80.7094, 87.8963, 53.0136**.

Distribution



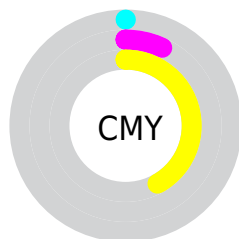
- Red (100%)
- Green (93%)
- Blue (58%)



- Red (66%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (42%)
- Black (0%)



- Cyan (0%)
- Magenta (7%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2394, 84.5790, 40.6882 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 77.2394, 84.5790, 40.6882 by changing the saturation by 10% instead.

77.2394, 84.5790,
40.6882

77.2394, 84.5790,
40.6882

474.4593,
510.2340, 364.6537

57.7500, 63.4936,
27.7577

128.4484,
139.7848, 77.4589

41.8502, 46.2406,
17.9056

160.8987,
174.6740, 102.1361

29.1746, 32.4357,
10.7135

198.4001,
214.9333, 131.5659

19.3579, 21.6945,
5.7628

241.3177,
260.9469, 166.1670

12.0347, 13.6326,
2.6349

290.0172,
313.0995, 206.3577

6.8397, 7.8656,
0.9104

344.8637,

3.4075, 4.0091,

371.7752, 252.5567

0.0000

406.2226,
437.3586, 305.1826

■ 1.3727, 1.6786,
0.0000

■ 0.2367, 0.4098,
0.0000

■ 77.2394, 84.5790,
40.6882

■ 77.2394, 84.5790,
40.6882

■ 74.2463, 81.5019,
30.7225

■ 80.7094, 87.8963,
53.0136

■ 71.6943, 78.6411,
22.9565

■ 84.6770, 91.4531,
67.8344

■ 69.5524, 75.9870,
17.2184

■ 89.1692, 95.2635,
85.2822

■ 67.7826, 73.5242,
13.3087

■ 94.2089, 99.3370,
105.4776

■ 66.3390, 71.2339, 95.0500, 100.0000,
10.9872 108.9000

■ 65.3166, 69.4131,
9.9555

Harmonies

Analogous

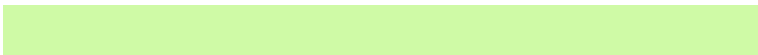
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4422, 84.5790, 43.2045



77.2394, 84.5790, 40.6882



66.9547, 84.5790, 48.9632

Triad

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



77.2394, 84.5790, 40.6882



63.4285, 84.5790, 139.2733



103.8751, 84.5790, 119.4331

Complementary

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



77.2394, 84.5790, 40.6882



44.0804, 40.8808, 100.1752

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.



95.5117, 84.5790, 155.1432



77.2394, 84.5790, 40.6882



71.9698, 84.5790, 168.4514

Square

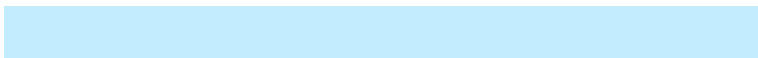
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2394, 84.5790, 40.6882



59.5183, 84.5790, 101.5411



83.6247, 84.5790, 174.8902



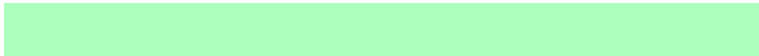
105.6461, 84.5790, 83.2484

Rectangle

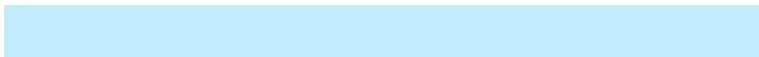
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2394, 84.5790, 40.6882



62.2833, 84.5790, 61.0905



83.6247, 84.5790, 174.8902



101.7039, 84.5790, 132.1277

Sweetspot

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



77.2415, 84.5829, 40.6899



88.9638, 95.0933, 84.4717



58.9323, 45.5335, 42.0817



18.9104, 20.2445, 17.5630



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

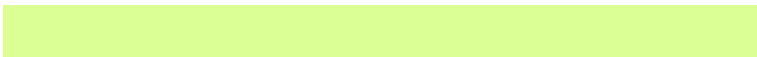
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2415, 84.5829, 40.6899



74.6857, 81.9700, 32.1354



70.5997, 88.8538, 41.8644



19.2987, 20.5655, 19.0967



34.2219, 36.4551, 5.2328



3.3955, 3.6764, 0.5307

Inverse Universe

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



44.0804, 40.8808, 100.1752



37.4577, 32.9317, 98.9900



48.6454, 38.9475, 99.5615



17.2382, 17.8479, 22.7864



9.9127, 4.7350, 49.8261



1.0292, 0.5892, 4.8727

Previews

White Background



This preview shows how the XYZ color 77.2394, 84.5790, 40.6882 looks on a white background.

Color Contrast Check

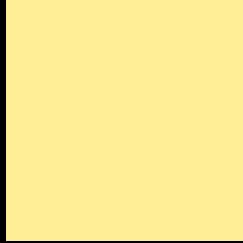
Large Text (above 18pt) WCAG AA × Fail

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 77.2394, 84.5790, 40.6882 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 77.2394, 84.5790, 40.6882

Background



This preview shows how black text looks on a background with the XYZ color 77.2394, 84.5790, 40.6882.

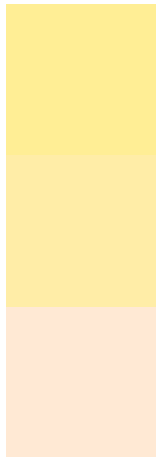


This preview shows how white text looks on a background with the XYZ color 77.2394, 84.5790,

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

77.2394, 84.5790, 40.6882

Protanopia

78.4992, 84.6184, 48.7548

Deuteranopia

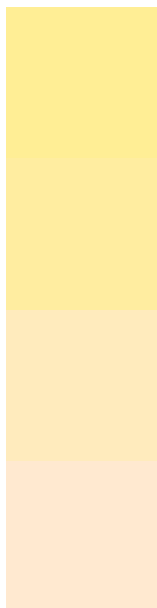
82.2626, 84.2913, 74.2215



Tritanopia

85.4140, 84.2045, 94.9704

Trichromacy



Original Color

77.2394, 84.5790, 40.6882

Protanomaly

77.8694, 84.3664, 45.4379

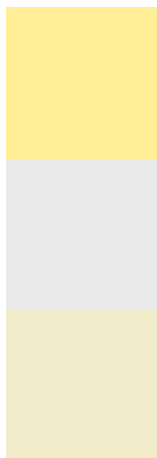
Deuteranomaly

80.1336, 84.3508, 60.2019

Tritanomaly

81.7641, 84.0919, 71.5964

Monochromacy



Original Color

77.2394, 84.5790, 40.6882

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.6446, 82.3817, 67.7388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2394, 84.5790, 40.6882 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 149) }
```

Border

The CSS property to change the border of an element to XYZ 77.2394, 84.5790, 40.6882 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, 149) }
```


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

```
.border{ border-color:rgb(255, 238, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2394, 84.5790, 40.6882 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, 149) }
```

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

```
.background{ background-color: rgb(255,  
238, 149) }
```

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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