

Converting Colors

XYZ(124.5717, 106.1992,
40.9944)

Have a look what the booklet for
XYZ(124.5717, 106.1992, 40.9944)
contains.

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Color

**XYZ(75.0042, 80.4872,
38.7766)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE792
RGB	255, 231, 146
RGB Percent	100%, 91%, 57%
CMY	0.0000, 0.0941, 0.4274
CMYK	0.00, 0.09, 0.43, 0.00
HSL	47°, 100%, 79%
HSV	47°, 43%, 100%
XYZ	75.0042, 80.4872, 38.7766
YIQ	228.4860, 41.5890, -21.3470

Conversions

Conversions Part 2

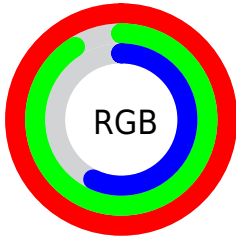
Format	Color
RYB	177, 255, 146
Decimal	16770962
CIELab	91.90, -3.05, 44.28
CIELCh	92, 44.381, 93.944
Yxy	80.4872, 0.3861, 0.4143
Android (android.graphics.Color)	4294961042 (0xFFFFE792)
YUV	228.4860, -40.6656, 23.2528
Hunter-Lab	89.7147, -7.7692, 37.1739

Details

The XYZ color **75.0042, 80.4872, 38.7766** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.2784, 42.0790, 100.3958**, and the grayscale version is **74.3680, 78.2410, 85.2044**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **40.5717, 43.7291, 16.8919** is the 20% darker color. If you saturate the color by 10%, you get **71.6924, 76.6917, 28.9541**, and if you desaturate by 10%, it is **78.8128, 84.5679, 50.9491**.

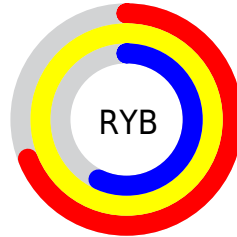
Distribution



Red (100%)

Green (91%)

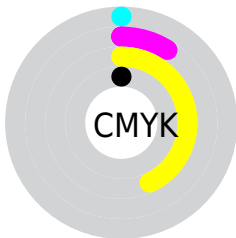
Blue (57%)



Red (69%)

Yellow (100%)

Blue (57%)

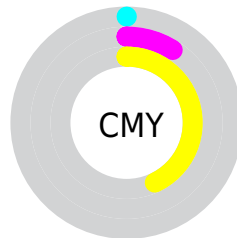


Cyan (0%)

Magenta (9%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0042, 80.4872, 38.7766 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 75.0042, 80.4872, 38.7766 by changing the saturation by 10% instead.


 75.0042, 80.4872,
38.7766

 75.0042, 80.4872,
38.7766


466.9290,
496.5732, 356.3373

 55.9105, 60.1194,
26.2795

 125.3062,
134.0505, 74.5135

 40.3679, 43.5148,
16.8052


 157.2452,
168.0147, 98.5904

 28.0110, 30.2893,
9.9352


194.1967,
207.2799, 127.3642

 18.4744, 20.0583,
5.2510

236.5260,
252.2303, 161.2536

 11.3929, 12.4374,
2.3340

284.5986,
303.2505, 200.6771

 6.4010, 7.0423,
0.7501

338.7797,

 3.1334, 3.4886,

360.7248, 246.0531

0.0000

399.4347,
425.0376, 297.8004

■ 1.2247, 1.3918,
0.0000

■ 0.1257, 0.2107,
0.0000

■ 75.0042, 80.4872,
38.7766

■ 75.0042, 80.4872,
38.7766

■ 71.6924, 76.6917,
28.9541

■ 78.8128, 84.5679,
50.9491

■ 68.8412, 73.1574,
21.3196

■ 83.1397, 88.9344,
65.6090

■ 66.4186, 69.8737,
15.6987

■ 88.0123, 93.6011,
82.8890

■ 64.3858, 66.8242,
11.8880

■ 93.4540, 98.5784,
102.9109

■ 62.6952, 63.9892, 95.0499, 99.9999,
9.6408 108.9000

■ 61.6329, 62.0461,
8.7277

Harmonies

Analogous

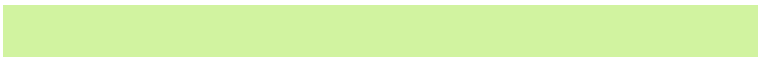
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5288, 80.4872, 42.5052



75.0042, 80.4872, 38.7766



64.9123, 80.4872, 45.2243

Triad

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



75.0042, 80.4872, 38.7766



59.7334, 80.4872, 127.5300



97.9091, 80.4872, 118.1733

Complementary

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



75.0042, 80.4872, 38.7766



44.2784, 42.0790, 100.3958

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.



89.3921, 80.4872, 150.6431



75.0042, 80.4872, 38.7766



67.2789, 80.4872, 156.9188

Square

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



75.0042, 80.4872, 38.7766



56.6668, 80.4872, 92.0221



78.0169, 80.4872, 166.2792



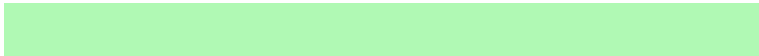
100.4941, 80.4872, 83.3933

Rectangle

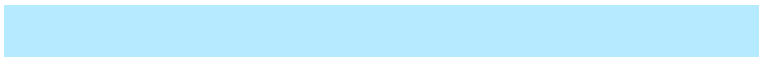
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0042, 80.4872, 38.7766



60.1268, 80.4872, 55.6629



78.0169, 80.4872, 166.2792



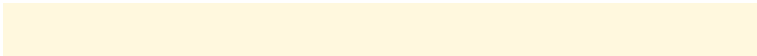
95.6061, 80.4872, 129.9770

Sweetspot

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



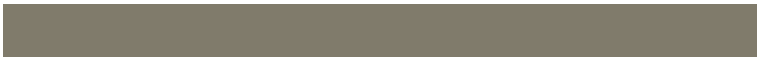
75.0062, 80.4909, 38.7783



87.8808, 93.4781, 82.4131



58.9114, 44.7754, 44.2835



18.5703, 19.7824, 16.7771



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

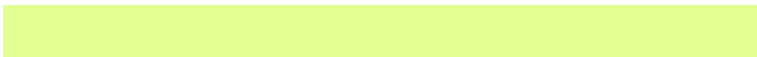
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0062, 80.4909, 38.7783



72.2363, 77.3351, 30.5052



72.2917, 89.7532, 40.7091



19.2021, 20.3723, 19.0645



32.3202, 32.6516, 4.5989



3.2267, 3.3387, 0.4744

Inverse Universe

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



44.2784, 42.0790, 100.3958



37.9861, 34.5481, 99.2741



46.0238, 36.9004, 99.3042



17.3272, 18.0260, 22.8161



10.2630, 5.4355, 49.9428



1.0758, 0.6823, 4.8883

Previews

White Background



This preview shows how the XYZ color 75.0042, 80.4872, 38.7766 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 75.0042, 80.4872, 38.7766 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 75.0042, 80.4872, 38.7766

Background



This preview shows how black text looks on a background with the XYZ color 75.0042, 80.4872, 38.7766.



This preview shows how white text looks on a background with the XYZ color 75.0042, 80.4872,

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

75.0042, 80.4872, 38.7766

Protanopia

74.5529, 80.6712, 38.8359

Deuteranopia

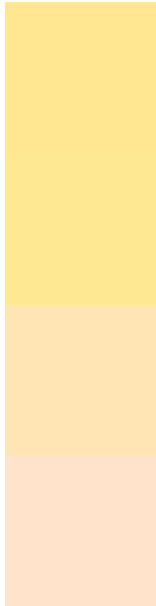
79.0179, 80.3217, 65.3718



Tritanopia

82.8911, 80.5695, 89.7799

Trichromacy



Original Color

75.0042, 80.4872, 38.7766

Protanomaly

74.9180, 80.8594, 38.8529

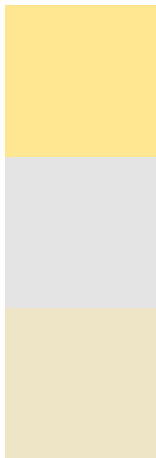
Deuteranomaly

77.2216, 80.0421, 54.5597

Tritanomaly

79.4886, 80.5100, 67.8504

Monochromacy



Original Color

75.0042, 80.4872, 38.7766

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.4722, 78.2930, 64.6657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0042, 80.4872, 38.7766 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, 231, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 146)  
}
```

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, 231, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 146) }
```

Border

The CSS property to change the border of an element to XYZ 75.0042, 80.4872, 38.7766 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, 231, 146) }
```


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

```
.border{ border-color:rgb(255, 231, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 231, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 231, 146); box-shadow:4px 4px 4px 4px rgb(255, 231, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0042, 80.4872, 38.7766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 146) }
```

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

```
.background{ background-color: rgb(255,  
231, 146) }
```

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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