

Converting Colors

XYZ(113.9475, 100.0000,
43.8577)

Have a look what the booklet for
XYZ(113.9475, 100.0000, 43.8577)
contains.

XYZ(75.3695, 80.1867, 42.0770)	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(75.3695, 80.1867,
42.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE69A
RGB	255, 230, 154
RGB Percent	100%, 90%, 60%
CMY	0.0000, 0.0980, 0.3961
CMYK	0.00, 0.10, 0.40, 0.00
HSL	45°, 100%, 80%
HSV	45°, 40%, 100%
XYZ	75.3695, 80.1867, 42.0770
YIQ	228.8110, 39.2960, -18.3360

Conversions

Conversions Part 2

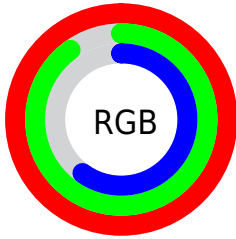
Format	Color
RYB	187, 255, 154
Decimal	16770714
CIELab	91.77, -1.72, 40.13
CIELCh	92, 40.168, 92.460
Yxy	80.1867, 0.3814, 0.4057
Android (android.graphics.Color)	4294960794 (0xFFFFE69A)
YUV	228.8110, -36.8818, 22.9678
Hunter-Lab	89.5470, -6.4683, 34.8233

Details

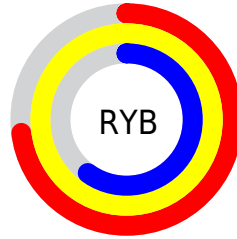
The XYZ color **75.3695, 80.1867, 42.0770** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.4960, 46.3286, 101.0466**, and the grayscale version is **74.5813, 78.4653, 85.4487**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **40.7542, 43.4896, 18.8167** is the 20% darker color. If you saturate the color by 10%, you get **71.7434, 75.9799, 31.4802**, and if you desaturate by 10%, it is **79.5143, 84.7085, 55.0742**.

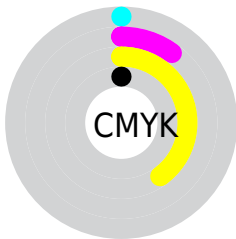
Distribution



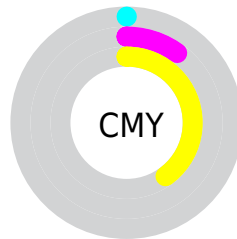
- Red (100%)
- Green (90%)
- Blue (60%)



- Red (73%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3695, 80.1867, 42.0770 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 75.3695, 80.1867, 42.0770 by changing the saturation by 10% instead.


 75.3695, 80.1867,
42.0770

 75.3695, 80.1867,
42.0770

468.1643,
495.5618, 370.6111

 56.2109, 59.8720,
28.8356


 125.8204,
133.6282, 79.5875

 40.6097, 43.3155,
18.7120


 157.8434,
167.5238, 104.6936

 28.2006, 30.1327,
11.2876

194.8852,
206.7151, 134.5918

 18.6181, 19.9393,
6.1440

237.3112,
251.5866, 169.7004

 11.4970, 12.3510,
2.8627

285.4868,
302.5226, 210.4381

 6.4719, 6.9832,
1.0249

339.7772,

 3.1775, 3.4516,

359.9075, 257.2235

0.0000

400.5479,
424.1258, 310.4749

■ 1.2483, 1.3718,
0.0000

■ 0.1440, 0.1958,
0.0000

■ 75.3695, 80.1867,
42.0770

■ 75.3695, 80.1867,
42.0770

■ 71.7434, 75.9799,
31.4802

■ 79.5143, 84.7085,
55.0742

■ 68.6007, 72.0642,
23.1267

■ 84.1988, 89.5461,
70.6054

■ 65.9103, 68.4290,
16.8488

■ 89.4499, 94.7141,
88.8004

■ 63.6350, 65.0583,
12.4527

95.0499, 100.0000,
108.9000

■ 61.7303, 61.9333,
9.7078

■ 60.1268, 59.0250,
8.2527

■ 60.0669, 58.9138,
8.2056

Harmonies

Analogous

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



85.7270, 80.1867, 46.1112



75.3695, 80.1867, 42.0770



66.0884, 80.1867, 47.7176

Triad

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



75.3695, 80.1867, 42.0770



60.7203, 80.1867, 121.3628



95.1246, 80.1867, 116.1944

Complementary

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



75.3695, 80.1867, 42.0770



47.4960, 46.3286, 101.0466

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.



87.3267, 80.1867, 144.3311



75.3695, 80.1867, 42.0770



67.4341, 80.1867, 147.7560

Square

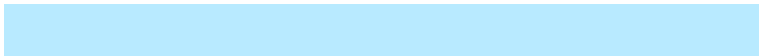
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3695, 80.1867, 42.0770



58.1194, 80.1867, 89.7629



77.0669, 80.1867, 156.9788



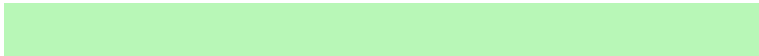
97.7238, 80.1867, 84.9016

Rectangle

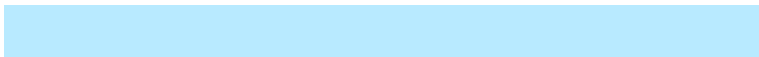
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3695, 80.1867, 42.0770



61.5882, 80.1867, 57.1533



77.0669, 80.1867, 156.9788



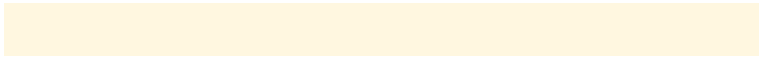
92.9918, 80.1867, 126.5551

Sweetspot

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



75.3715, 80.1904, 42.0786



88.1406, 93.4469, 84.1973



60.9581, 47.6368, 48.7634



18.7157, 19.8552, 17.4981



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

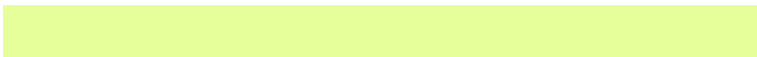
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3715, 80.1904, 42.0786



72.2930, 76.6364, 33.0277



74.1459, 90.6348, 44.1592



19.1581, 20.2845, 19.0499



31.5103, 31.0319, 4.3290



3.1540, 3.1934, 0.4502

Inverse Universe

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



47.4960, 46.3286, 101.0466



40.7374, 38.3292, 99.8589



48.2546, 39.9457, 99.7746



17.3681, 18.1078, 22.8297



10.4612, 5.8319, 50.0089



1.1003, 0.7313, 4.8964

Previews

White Background



This preview shows how the XYZ color 75.3695, 80.1867, 42.0770 looks on a white background.

Color Contrast Check

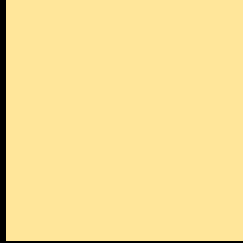
Large Text (above 18pt) WCAG AA × Fail

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 75.3695, 80.1867, 42.0770 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 75.3695, 80.1867, 42.0770

Background



This preview shows how black text looks on a background with the XYZ color 75.3695, 80.1867, 42.0770.



This preview shows how white text looks on a background with the XYZ color 75.3695, 80.1867,

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

75.3695, 80.1867, 42.0770

Protanopia

74.2760, 80.0276, 42.5425

Deuteranopia

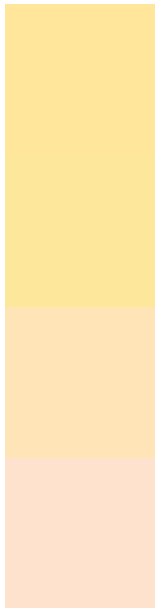
79.0179, 80.3217, 65.3718



Tritanopia

82.6231, 80.0335, 89.6906

Trichromacy



Original Color

75.3695, 80.1867, 42.0770

Protanomaly

74.6372, 80.2138, 42.5594

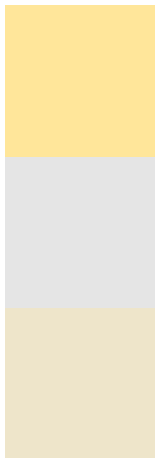
Deuteranomaly

77.5306, 80.1657, 56.1870

Tritanomaly

79.5769, 80.1089, 69.6609

Monochromacy



Original Color

75.3695, 80.1867, 42.0770

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.9399, 78.4800, 67.1282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3695, 80.1867, 42.0770 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, 230, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 154)  
}
```

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, 230, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 154) }
```

Border

The CSS property to change the border of an element to XYZ 75.3695, 80.1867, 42.0770 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, 230, 154) }
```


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

```
.border{ border-color:rgb(255, 230, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 230, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 230, 154); box-shadow:4px 4px 4px 4px rgb(255, 230, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3695, 80.1867, 42.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 154) }
```

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

```
.background{ background-color: rgb(255,  
230, 154) }
```

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