

Converting Colors

XYZ(75.8147, 85.0365, 53.4928)

Have a look what the booklet for
XYZ(75.8147, 85.0365, 53.4928)
contains.

XYZ(75.5674, 84.7460, 53.4491)	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(75.5674, 84.7460,
53.4491)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F1B0
RGB	241, 241, 176
RGB Percent	95%, 95%, 69%
CMY	0.0549, 0.0549, 0.3098
CMYK	0.00, 0.00, 0.27, 0.05
HSL	60°, 70%, 82%
HSV	60°, 27%, 95%
XYZ	75.5674, 84.7460, 53.4491
YIQ	233.5900, 20.8650, -20.2150

Conversions

Conversions Part 2

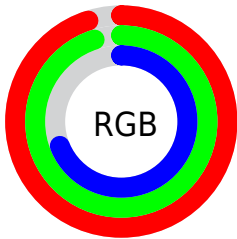
Format	Color
RYB	176, 241, 176
Decimal	15856048
CIELab	93.77, -9.96, 31.50
CIELCh	94, 33.033, 107.552
Yxy	84.7460, 0.3535, 0.3964
Android (android.graphics.Color)	4294046128 (0xFFFF1F1B0)
YUV	233.5900, -28.3919, 6.4986
Hunter-Lab	92.0576, -14.5753, 30.0162

Details

The XYZ color **75.5674, 84.7460, 53.4491** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **49.3103, 46.6339, 89.6263**, and the grayscale version is **78.0954, 82.1624, 89.4749**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **40.6913, 46.3183, 25.5346** is the 20% darker color. If you saturate the color by 10%, you get **73.3915, 83.8785, 41.9856**, and if you desaturate by 10%, it is **78.1710, 85.7905, 67.1458**.

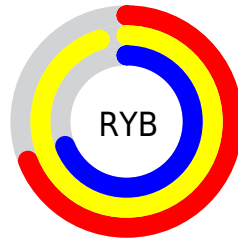
Distribution



Red (95%)

Green (95%)

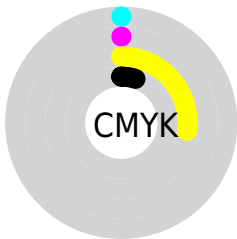
Blue (69%)



Red (69%)

Yellow (95%)

Blue (69%)

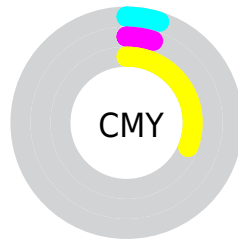


Cyan (0%)

Magenta (0%)

Yellow (27%)

Black (5%)



Cyan (5%)


Magenta (5%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.5674, 84.7460, 53.4491 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 75.5674, 84.7460, 53.4491 by changing the saturation by 10% instead.


 75.5674, 84.7460,
53.4491

 75.5674, 84.7460,
53.4491


468.8327,
510.7872, 417.1208

 56.3737, 63.6315,
37.7712


 126.0988,
140.0182, 96.7131

 40.7408, 46.3523,
25.5047


158.1672,
174.9448, 125.1363

 28.3034, 32.5239,
16.2311


195.2579,
215.2442, 158.6451

 18.6961, 21.7620,
9.5317

237.7362,
261.3008, 197.6579

 11.5536, 13.6821,
4.9881

285.9675,
313.4990, 242.5934

 6.5105, 7.8999,
2.1816

340.3171,

 3.2015, 4.0310,

372.2232, 293.8700

0.6637

401.1504,
437.8578, 351.9063

■ 1.2612, 1.6909,
0.0000

■ 0.1539, 0.4178,
0.0000

■ 75.5674, 84.7460,
53.4491

■ 75.5674, 84.7460,
53.4491

■ 73.3915, 83.8785,
41.9856

■ 78.1710, 85.7905,
67.1458

■ 71.6145, 83.1676,
32.6319


■ 81.2166, 87.0088,
83.1796


■ 70.2141, 82.6073,
25.2612


■ 84.7257, 88.4125,
101.6544


■ 69.1630, 82.1868,
19.7305


■ 85.7859, 88.8367,
107.2335

 68.4307, 81.8938,
15.8779


 85.7867, 88.8371,
107.2336

 67.9809, 81.7138,
13.5134

 85.7874, 88.8375,
107.2336

 67.7675, 81.6284,
12.3937

 85.7882, 88.8379,
107.2336

 67.7273, 81.6123,
12.1831

 85.7890, 88.8383,
107.2337

 85.7897, 88.8387,
107.2337

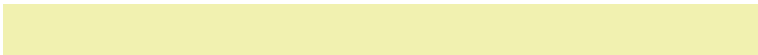
Harmonies

Analogous

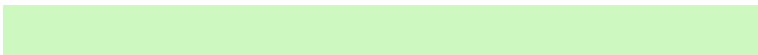
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2400, 84.7460, 52.6791



75.5674, 84.7460, 53.4491



68.7306, 84.7460, 63.3557

Triad

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



75.5674, 84.7460, 53.4491



69.6906, 84.7460, 132.7132



98.1706, 84.7460, 103.0852

Complementary

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



75.5674, 84.7460, 53.4491



49.3103, 46.6339, 89.6263

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.



93.6490, 84.7460, 128.8746



75.5674, 84.7460, 53.4491



76.9665, 84.7460, 147.9503

Square

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



75.5674, 84.7460, 53.4491



65.5107, 84.7460, 107.6245



85.7439, 84.7460, 146.4301



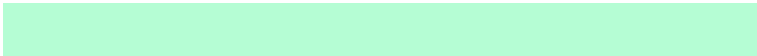
97.7276, 84.7460, 78.4572

Rectangle

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



75.5674, 84.7460, 53.4491



65.9412, 84.7460, 75.0274



85.7439, 84.7460, 146.4301



97.1679, 84.7460, 111.9796

Sweetspot

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



75.5696, 84.7498, 53.4509



91.9370, 98.7547, 92.5106



59.6403, 52.8881, 48.1405



19.5611, 21.0907, 19.1843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

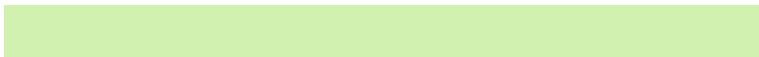
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.5696, 84.7498, 53.4509



84.5788, 95.8112, 53.7740



65.4483, 79.5321, 52.9772



17.1228, 18.4590, 16.8102



36.7249, 44.2539, 6.6063



3.0552, 3.6815, 0.5496

Inverse Universe

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



49.3103, 46.6339, 89.6263



50.3942, 46.1916, 100.8675



57.5583, 50.8859, 90.0123



14.8975, 15.2289, 19.8759



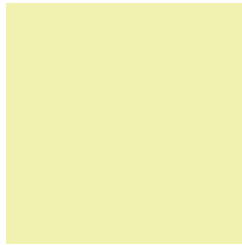
8.6101, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 75.5674, 84.7460, 53.4491 looks on a white background.

Color Contrast Check

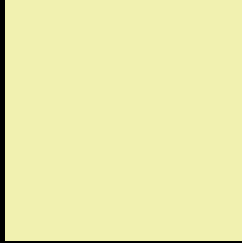
Large Text (above 18pt) WCAG AA × Fail

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 75.5674, 84.7460, 53.4491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

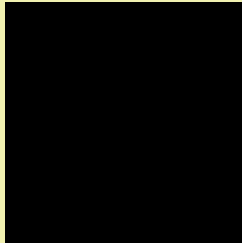
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

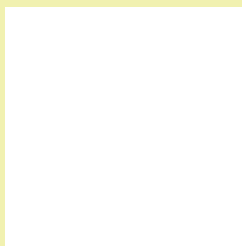
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.5674, 84.7460, 53.4491

Background



This preview shows how black text looks on a background with the XYZ color 75.5674, 84.7460, 53.4491.

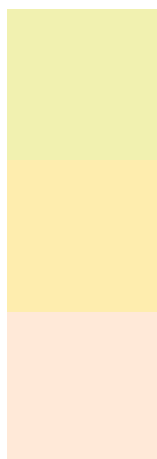


This preview shows how white text looks on a background with the XYZ color 75.5674, 84.7460,

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

75.5674, 84.7460, 53.4491

Protanopia

78.7972, 84.6952, 52.2391

Deuteranopia

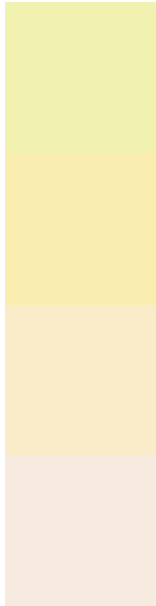
82.7736, 84.4957, 76.9124



Tritanopia

85.2556, 84.3779, 102.2356

Trichromacy



Original Color

75.5674, 84.7460, 53.4491

Protanomaly

77.3793, 84.3840, 52.7668

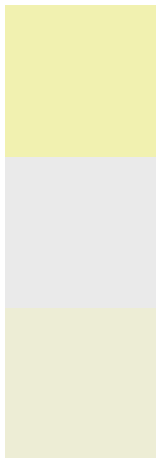
Deuteranomaly

79.9624, 84.5319, 67.3602

Tritanomaly

81.3854, 84.5185, 81.8363

Monochromacy



Original Color

75.5674, 84.7460, 53.4491

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.2195, 83.3770, 74.9743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5674, 84.7460, 53.4491 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(241, 241, 176)` looks like.

```
.text, #text, p{  
    color:rgb(241, 241, 176)  
}
```

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(241, 241, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 241, 176) }
```

Border

The CSS property to change the border of an element to XYZ 75.5674, 84.7460, 53.4491 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(241, 241, 176) }
```


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

```
.border{ border-color:rgb(241, 241, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 241, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(241, 241, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(241, 241, 176); box-shadow:4px 4px 4px 4px rgb(241, 241, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5674, 84.7460, 53.4491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 241, 176) }
```

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

```
.background{ background-color: rgb(241,  
241, 176) }
```

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