

Converting Colors

XYZ(74.5583, 85.0656, 42.4740)

Have a look what the booklet for
XYZ(74.5583, 85.0656, 42.4740)
contains.

XYZ(74.4640, 84.8589, 42.5917)	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(74.4640, 84.8589,
42.5917)**

Conversions

Conversions Part 1

Format	Color
Hex	F3F299
RGB	243, 242, 153
RGB Percent	95%, 95%, 60%
CMY	0.0471, 0.0510, 0.4000
CMYK	0.00, 0.00, 0.37, 0.05
HSL	59°, 79%, 78%
HSV	59°, 37%, 95%
XYZ	74.4640, 84.8589, 42.5917
YIQ	232.1530, 29.1650, -27.4670

Conversions

Conversions Part 2

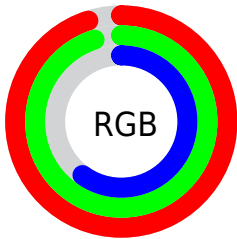
Format	Color
R_{YB}	154, 243, 153
Decimal	15987353
CIE _{Lab}	93.82, -12.44, 43.08
CIE _{LCh}	94, 44.839, 106.104
Yxy	84.8589, 0.3688, 0.4203
Android (android.graphics.Color)	4294177433 (0xFFFF3F299)
YUV	232.1530, -39.0224, 9.5128
Hunter-Lab	92.1189, -16.9182, 37.0702

Details

The XYZ color **74.4640, 84.8589, 42.5917** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.8699, 36.3534, 89.6566**, and the grayscale version is **77.0860, 81.1005, 88.3184**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **40.1089, 46.4770, 18.9136** is the 20% darker color. If you saturate the color by 10%, you get **72.5791, 83.9803, 33.0499**, and if you desaturate by 10%, it is **76.7620, 85.9089, 54.2895**.

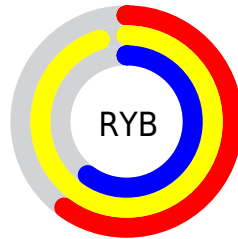
Distribution



Red (95%)

Green (95%)

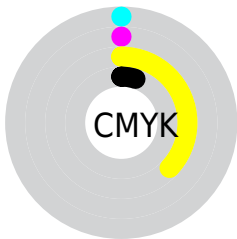
Blue (60%)



Red (60%)

Yellow (95%)

Blue (60%)

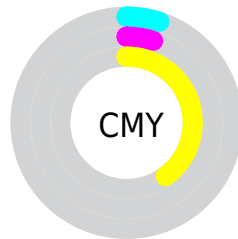


Cyan (0%)

Magenta (0%)

Yellow (37%)

Black (5%)



Cyan (5%)


Magenta (5%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4640, 84.8589, 42.5917 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 74.4640, 84.8589, 42.5917 by changing the saturation by 10% instead.


 74.4640, 84.8589,
42.5917


 74.4640, 84.8589,
42.5917


465.0989,
511.1611, 372.8017

 55.4665, 63.7248,
29.2359


 124.5453,
140.1760, 80.3741

 40.0107, 46.4278,
19.0122


 156.3599,
175.1278, 105.6377

 27.7311, 32.5836,
11.5022


193.1775,
215.4543, 135.7077

 18.2625, 21.8076,
6.2873

235.3635,
261.5399, 171.0026

 11.2394, 13.7156,
2.9489

283.2833,
313.7690, 211.9409

 6.2966, 7.9231,
1.0686

337.3022,

 3.0686, 4.0458,

372.5259, 258.9411

0.0000

397.7856,
438.1952, 312.4219

■ 1.1902, 1.6992,
0.0000

■ 0.0986, 0.4231,
0.0000

■ 74.4640, 84.8589,
42.5917

■ 74.4640, 84.8589,
42.5917

■ 72.5791, 83.9803,
33.0499

■ 76.7620, 85.9089,
54.2895

■ 71.0759, 83.2516,
25.5273


■ 79.4897, 87.1280,
68.2585


■ 69.9289, 82.6656,
19.8797


■ 82.6702, 88.5284,
84.6119

■ 69.1067, 82.2096,
15.9419


■ 86.3235, 90.1181,
103.4538


 68.5724, 81.8690,
13.5195


 87.1667, 90.5840,
107.4980


 68.2787, 81.6248,
12.3633

 87.2472, 90.7449,
107.5248

 68.2158, 81.5621,
12.1477

 87.3278, 90.9061,
107.5517

 87.4085, 91.0675,
107.5786

 87.4893, 91.2292,
107.6055

Harmonies

Analogous

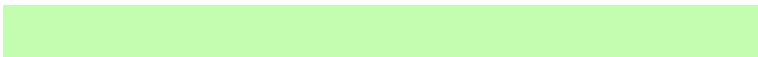
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2867, 84.8589, 42.2024



74.4640, 84.8589, 42.5917



65.2415, 84.8589, 53.9480

Triad

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



74.4640, 84.8589, 42.5917



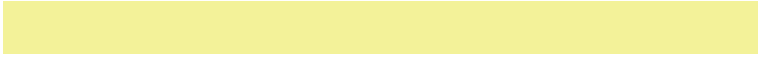
65.7850, 84.8589, 148.2281



105.0135, 84.8589, 109.0754

Complementary

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



74.4640, 84.8589, 42.5917



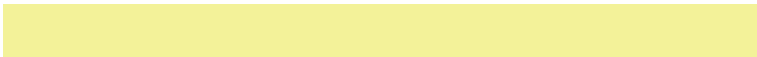
40.8699, 36.3534, 89.6566

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.



98.3248, 84.8589, 145.7915



74.4640, 84.8589, 42.5917



75.2755, 84.8589, 171.8870

Square

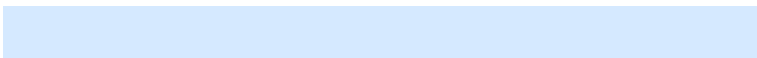
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4640, 84.8589, 42.5917



60.5784, 84.8589, 111.8262



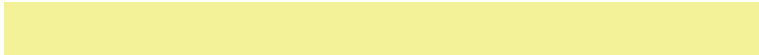
87.1817, 84.8589, 170.8990



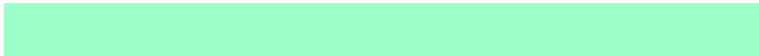
104.7413, 84.8589, 75.3595

Rectangle

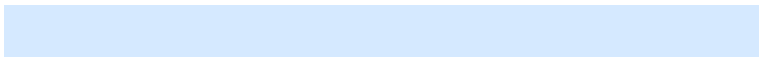
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4640, 84.8589, 42.5917



61.4630, 84.8589, 68.2759



87.1817, 84.8589, 170.8990



103.4783, 84.8589, 121.6194

Sweetspot

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



74.4661, 84.8628, 42.5935



90.7595, 98.1259, 86.7935



54.2284, 44.1878, 36.4627



19.3226, 20.9573, 18.0440



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

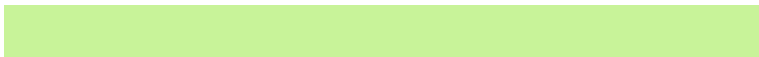
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4661, 84.8628, 42.5935



81.5490, 93.9696, 39.7471



61.4869, 78.6118, 42.0710



17.8981, 19.2803, 17.5757



37.4465, 44.7786, 6.6695



3.2961, 3.9455, 0.5878

Inverse Universe

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



40.8699, 36.3534, 89.6566



39.3222, 32.9999, 98.9049



50.4648, 41.0574, 90.0589



15.5959, 15.9560, 20.8004



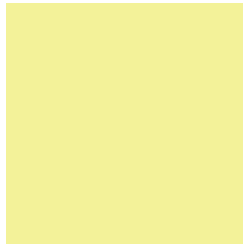
8.9012, 3.5962, 46.7630



0.7874, 0.3262, 4.1117

Previews

White Background



This preview shows how the XYZ color 74.4640, 84.8589, 42.5917 looks on a white background.

Color Contrast Check

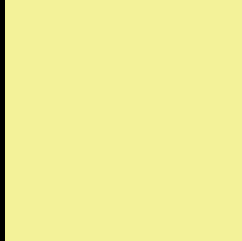
Large Text (above 18pt) WCAG AA × Fail

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 74.4640, 84.8589, 42.5917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

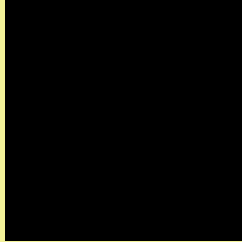
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

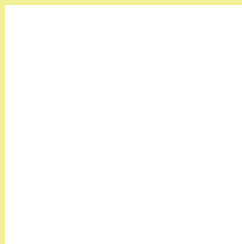
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.4640, 84.8589, 42.5917

Background



This preview shows how black text looks on a background with the XYZ color 74.4640, 84.8589, 42.5917.

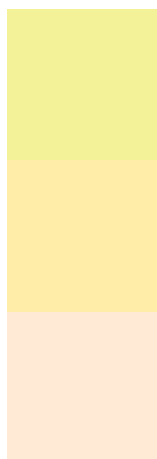


This preview shows how white text looks on a background with the XYZ color 74.4640, 84.8589,

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

74.4640, 84.8589, 42.5917

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

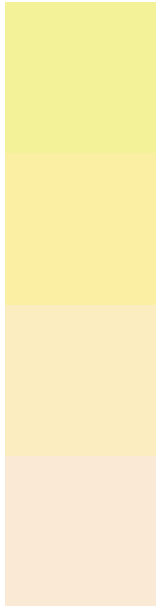
82.6731, 84.9097, 74.9827



Tritanopia

86.1131, 84.4418, 100.5672

Trichromacy



Original Color

74.4640, 84.8589, 42.5917

Protanomaly

77.2610, 84.8866, 46.9630

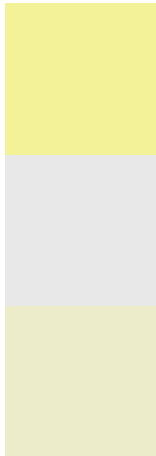
Deuteranomaly

79.4718, 84.8392, 61.4772

Tritanomaly

80.8574, 83.9737, 74.8977

Monochromacy



Original Color

74.4640, 84.8589, 42.5917

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.3670, 82.1356, 68.3814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.4640, 84.8589, 42.5917 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(243, 242, 153)` looks like.

```
.text, #text, p{  
    color:rgb(243, 242, 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(243, 242, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 242, 153) }
```

Border

The CSS property to change the border of an element to XYZ 74.4640, 84.8589, 42.5917 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(243, 242, 153) }
```


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

```
.border{ border-color:rgb(243, 242, 153) }
```

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

Here you see how a box with a 4 pixel rgb(243, 242, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 242, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 242, 153);  
box-shadow:4px 4px 4px 4px rgb(243, 242,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 74.4640, 84.8589, 42.5917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 242, 153) }
```

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

```
.background{ background-color: rgb(243,  
242, 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](#).

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