

Converting Colors

XYZ(75.5533, 82.7847, 51.0887)

Have a look what the booklet for
XYZ(75.5533, 82.7847, 51.0887)
contains.

XYZ(75.4479, 82.5623, 50.9893)	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(75.4479, 82.5623,
50.9893)**

Conversions

Conversions Part 1

Format	Color
Hex	F6ECAC
RGB	246, 236, 172
RGB Percent	96%, 93%, 67%
CMY	0.0353, 0.0745, 0.3255
CMYK	0.00, 0.04, 0.30, 0.04
HSL	52°, 80%, 82%
HSV	52°, 30%, 96%
XYZ	75.4479, 82.5623, 50.9893
YIQ	231.6940, 26.5040, -17.7840

Conversions

Conversions Part 2

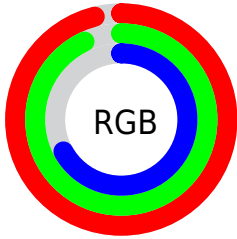
Format	Color
R_{YB}	184, 246, 172
Decimal	16182444
CIE _{Lab}	92.82, -6.11, 32.31
CIE _{LCh}	93, 32.886, 100.701
Yxy	82.5623, 0.3610, 0.3950
Android (android.graphics.Color)	4294372524 (0xFFF6ECAC)
YUV	231.6940, -29.4291, 12.5464
Hunter-Lab	90.8638, -10.7959, 30.3334

Details

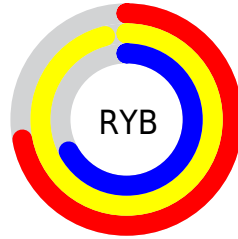
The XYZ color **75.4479, 82.5623, 50.9893** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.3755, 48.8791, 93.9685**, and the grayscale version is **76.6739, 80.6669, 87.8463**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **40.6373, 44.7932, 23.9569** is the 20% darker color. If you saturate the color by 10%, you get **72.3537, 79.8111, 39.3611**, and if you desaturate by 10%, it is **79.0015, 85.5315, 64.9301**.

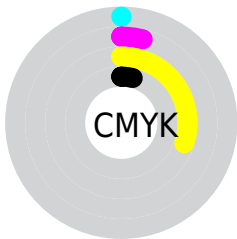
Distribution



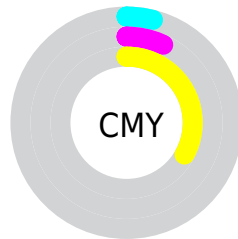
- Red (96%)
- Green (93%)
- Blue (67%)



- Red (72%)
- Yellow (96%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (30%)
- Black (4%)





- Cyan (4%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4479, 82.5623, 50.9893 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 75.4479, 82.5623, 50.9893 by changing the saturation by 10% instead.


 75.4479, 82.5623,
50.9893

 75.4479, 82.5623,
50.9893


468.4291,
503.5266, 407.3676

 56.2754, 61.8291,
35.8234


 125.9307,
136.9623, 93.0503

 40.6616, 44.8946,
24.0092


157.9717,
171.3978, 120.7825

 28.2413, 31.3745,
15.1282


195.0329,
211.1697, 153.5406

 18.6490, 20.8842,
8.7618

237.4796,
256.6622, 191.7430

 11.5194, 13.0393,
4.4915

285.6772,
308.2597, 235.8084

 6.4872, 7.4556,
1.8986

339.9911,

 3.1870, 3.7487,

366.3467, 286.1553

0.4919

400.7866,
431.3076, 343.2021

■ 1.2534, 1.5340,
0.0000

■ 0.1479, 0.3125,
0.0000

■ 75.4479, 82.5623,
50.9893

■ 75.4479, 82.5623,
50.9893

■ 72.3537, 79.8111,
39.3611

■ 79.0015, 85.5315,
64.9301

■ 69.6883, 77.2568,
29.9131

■ 83.0305, 88.7167,
81.2958

■ 67.4273, 74.8925,
22.5073

■ 87.5581, 92.1300,
100.1978

■ 65.5408, 72.7060,
16.9878

■ 90.0234, 94.7474,
108.1511

■ 63.9950, 70.6836,
13.1764

■ 91.0611, 96.8227,
108.4970

■ 62.7495, 68.8090,
10.8605

■ 91.8161, 98.3329,
108.7487

■ 61.7441, 67.0688,
9.6913

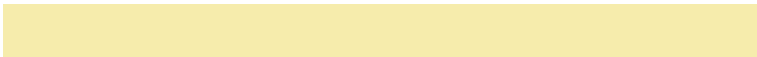
Harmonies

Analogous

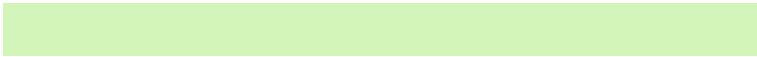
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0551, 82.5623, 52.2564



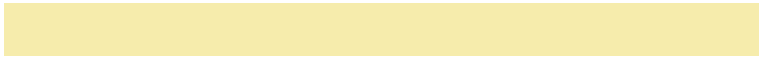
75.4479, 82.5623, 50.9893



68.1944, 82.5623, 58.6115

Triad

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



75.4479, 82.5623, 50.9893



66.6135, 82.5623, 124.3788



95.1041, 82.5623, 106.4408

Complementary

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



75.4479, 82.5623, 50.9893



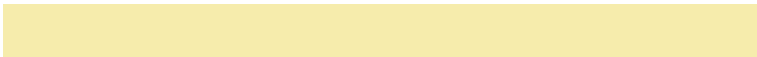
50.3755, 48.8791, 93.9685

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.



89.7358, 82.5623, 130.7047



75.4479, 82.5623, 50.9893



73.1436, 82.5623, 142.2964

Square

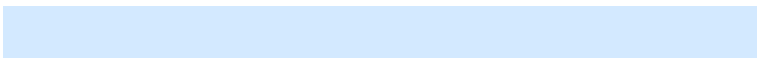
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4479, 82.5623, 50.9893



63.3466, 82.5623, 98.9625



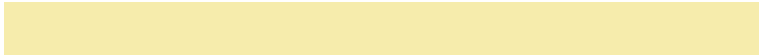
81.5779, 82.5623, 144.8020



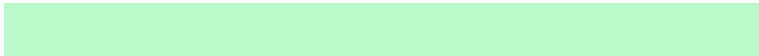
95.8339, 82.5623, 81.4015

Rectangle

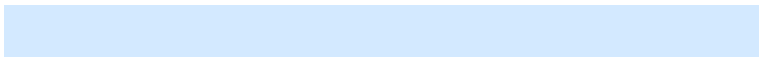
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4479, 82.5623, 50.9893



64.9414, 82.5623, 68.6919



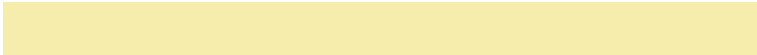
81.5779, 82.5623, 144.8020



93.7647, 82.5623, 115.0689

Sweetspot

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



75.4500, 82.5660, 50.9910



90.5917, 96.6473, 90.2613



61.3169, 52.5219, 51.7614



19.2451, 20.5746, 18.7203



0.0000, 0.0000, 0.0000



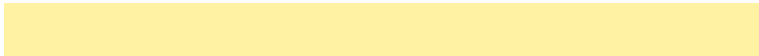
20.3446, 21.4041, 23.3091

Same Dimension

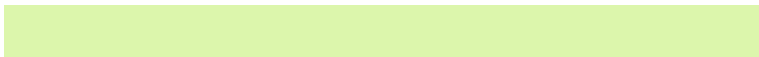
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4500, 82.5660, 50.9910



79.8003, 87.7746, 47.4806



69.9482, 84.1218, 51.5813



17.7126, 18.9094, 17.5139



33.0326, 35.9508, 5.1982



2.9550, 3.2632, 0.4741

Inverse Universe

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



50.3755, 48.8791, 93.9685



48.6419, 45.9210, 100.9077



54.6503, 48.1521, 93.6029



15.7616, 16.2875, 20.8556



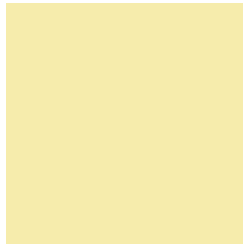
9.2295, 4.2529, 46.8725



0.8663, 0.4841, 4.1380

Previews

White Background



This preview shows how the XYZ color 75.4479, 82.5623, 50.9893 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 75.4479, 82.5623, 50.9893 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 75.4479, 82.5623, 50.9893

Background



This preview shows how black text looks on a background with the XYZ color 75.4479, 82.5623, 50.9893.



This preview shows how white text looks on a background with the XYZ color 75.4479, 82.5623,

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

75.4479, 82.5623, 50.9893

Protanopia

76.9184, 82.4814, 50.3945

Deuteranopia

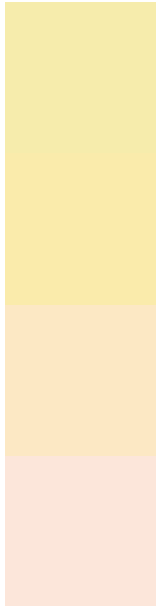
81.0454, 82.4571, 71.9659



Tritanopia

85.0382, 82.7298, 97.0744

Trichromacy



Original Color

75.4479, 82.5623, 50.9893

Protanomaly

76.4834, 82.6809, 50.4560

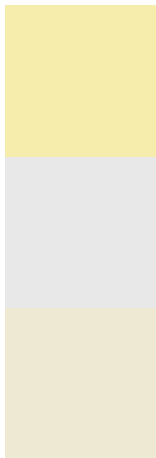
Deuteranomaly

78.9653, 82.3942, 63.9663

Tritanomaly

81.0966, 82.3510, 77.9508

Monochromacy



Original Color

75.4479, 82.5623, 50.9893

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.6968, 80.9355, 72.6052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4479, 82.5623, 50.9893 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(246, 236, 172)` looks like.

```
.text, #text, p{  
    color:rgb(246, 236, 172)  
}
```

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(246, 236, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 236, 172) }
```

Border

The CSS property to change the border of an element to XYZ 75.4479, 82.5623, 50.9893 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(246, 236, 172) }
```


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

```
.border{ border-color:rgb(246, 236, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 236, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 236, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 236, 172);  
box-shadow:4px 4px 4px 4px rgb(246, 236,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4479, 82.5623, 50.9893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 236, 172) }
```

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

```
.background{ background-color: rgb(246,  
236, 172) }
```

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