

Converting Colors

XYZ(76.8772, 86.9525, 64.9562)

Have a look what the booklet for
XYZ(76.8772, 86.9525, 64.9562)
contains.

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Color

**XYZ(76.8772, 86.9525,
64.9562)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF5C4
RGB	235, 245, 196
RGB Percent	92%, 96%, 77%
CMY	0.0784, 0.0392, 0.2314
CMYK	0.04, 0.00, 0.20, 0.04
HSL	72°, 71%, 86%
HSV	72°, 20%, 96%
XYZ	76.8772, 86.9525, 64.9562
YIQ	236.4240, 9.7690, -17.3590

Conversions

Conversions Part 2

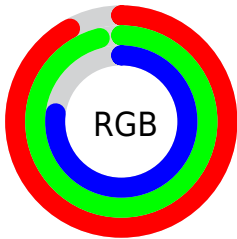
Format	Color
R_{YB}	196, 245, 206
Decimal	15463876
CIE _{Lab}	94.72, -11.37, 22.53
CIE _{LCh}	95, 25.236, 116.784
Yxy	86.9525, 0.3360, 0.3801
Android (android.graphics.Color)	4293653956 (0xFFEBF5C4)
YUV	236.4240, -19.9290, -1.2488
Hunter-Lab	93.2483, -16.0229, 23.9728

Details

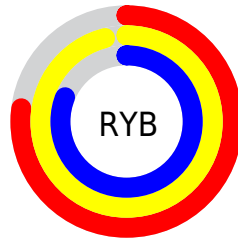
The XYZ color **76.8772, 86.9525, 64.9562** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.6783, 59.1966, 94.5662**, and the grayscale version is **80.1985, 84.3751, 91.8845**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **41.6705, 47.9319, 32.6467** is the 20% darker color. If you saturate the color by 10%, you get **72.6855, 85.0906, 51.3724**, and if you desaturate by 10%, it is **81.5754, 89.0282, 80.9444**.

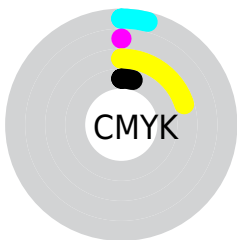
Distribution



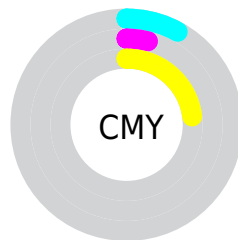
- Red (92%)
- Green (96%)
- Blue (77%)



- Red (77%)
- Yellow (96%)
- Blue (81%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (8%)
- Magenta (4%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8772, 86.9525, 64.9562 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 76.8772, 86.9525, 64.9562 by changing the saturation by 10% instead.

76.8772, 86.9525,
64.9562

76.8772, 86.9525,
64.9562

473.2436,
518.0668, 460.9365

57.4517, 65.4559,
46.9744

127.9399,
143.0979, 113.5996

41.6095, 47.8308,
32.6613

160.3077,
178.5155, 145.0982

28.9854, 33.6930,
21.5981

197.7204,
219.3423, 181.9396

19.2140, 22.6578,
13.3664

240.5433,
265.9626, 224.5423

11.9300, 14.3410,
7.5476

289.1417,
318.7608, 273.3248

6.7679, 8.3582,
3.7233

343.8810,

3.3624, 4.3250,

378.1213, 328.7056

1.4748

405.1265,
444.4285, 391.1033

■ 1.3482, 1.8570,
0.1991

■ 0.2188, 0.5223,
0.0000

■ 76.8772, 86.9525,
64.9562

■ 76.8772, 86.9525,
64.9562

■ 72.6855, 85.0906,
51.3724

■ 81.5754, 89.0282,
80.9444

■ 68.9710, 83.4220,
40.0710

■ 86.7942, 91.3146,
99.4398

■ 65.7116, 81.9407,
30.9281

■ 90.1313, 92.8538,
107.7799

■ 62.8808, 80.6361,
23.8054

■ 91.9442, 93.7884,
107.8647

■ 60.4488, 79.4962,
18.5488

■ 58.3819, 78.5075,
14.9820

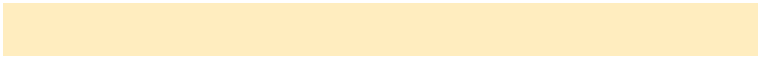
■ 56.6398, 77.6538,
12.8950

■ 55.1556, 76.9083,
11.9378

Harmonies

Analogous

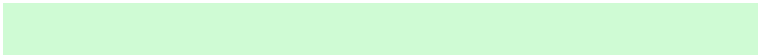
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3835, 86.9525, 61.9171



76.8772, 86.9525, 64.9562



72.1550, 86.9525, 75.5607

Triad

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



76.8772, 86.9525, 64.9562



75.6695, 86.9525, 129.6931



96.4395, 86.9525, 96.7988

Complementary

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



76.8772, 86.9525, 64.9562



61.6783, 59.1966, 94.5662

Split Complementary

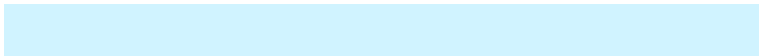
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1071, 86.9525, 116.7716



76.8772, 86.9525, 64.9562



81.9124, 86.9525, 137.3328

Square

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



76.8772, 86.9525, 64.9562



71.4851, 86.9525, 112.6252



88.6959, 86.9525, 132.3089



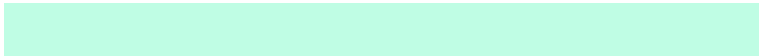
94.9114, 86.9525, 78.7438

Rectangle

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



76.8772, 86.9525, 64.9562



70.5277, 86.9525, 86.3486



88.6959, 86.9525, 132.3089



96.0780, 86.9525, 103.5233

Sweetspot

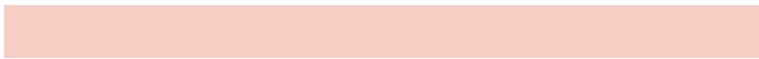
The Sweet Spot groups the original color and five complimentary colors.



76.8795, 86.9563, 64.9581



91.5437, 98.4658, 96.3855



69.6462, 67.4469, 61.5736



19.5152, 21.0411, 20.3520



0.0000, 0.0000, 0.0000



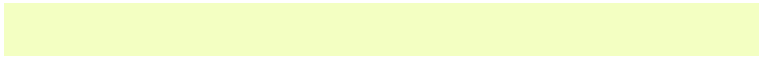
20.3446, 21.4041, 23.3091

Same Dimension

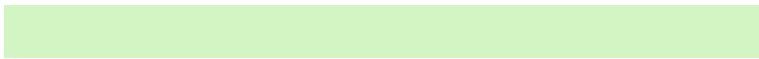
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8795, 86.9563, 64.9581



82.2667, 94.3728, 64.8011



69.3973, 83.0991, 64.6079



17.5639, 19.1328, 17.5648



29.8294, 41.4904, 6.4363



2.7034, 3.6887, 0.5695

Inverse Universe

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



61.6783, 59.1966, 94.5662



62.8329, 58.8787, 102.6608



68.9538, 62.9472, 94.9067



15.8972, 16.0896, 20.8103



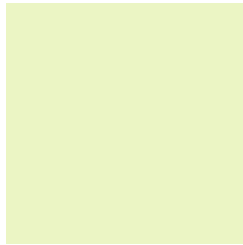
9.6784, 3.9637, 46.7930



0.9316, 0.3901, 4.1164

Previews

White Background



This preview shows how the XYZ color 76.8772, 86.9525, 64.9562 looks on a white background.

Color Contrast Check

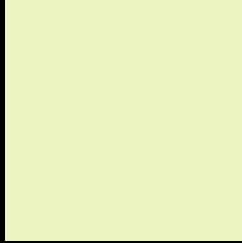
Large Text (above 18pt) WCAG AA × Fail

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 76.8772, 86.9525, 64.9562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

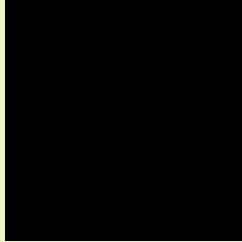
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

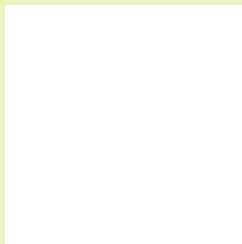
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8772, 86.9525, 64.9562

Background



This preview shows how black text looks on a background with the XYZ color 76.8772, 86.9525, 64.9562.

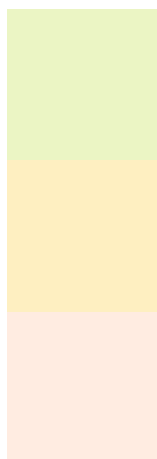


This preview shows how white text looks on a background with the XYZ color 76.8772, 86.9525, 64.9562.

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

76.8772, 86.9525, 64.9562

Protanopia

81.3652, 86.6541, 62.8896

Deuteranopia

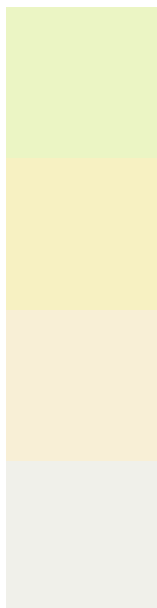
84.8261, 86.6871, 83.4956



Tritanopia

85.2963, 86.8431, 106.8745

Trichromacy



Original Color

76.8772, 86.9525, 64.9562

Protanomaly

79.5507, 86.5798, 63.5577

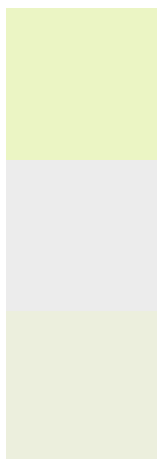
Deuteranomaly

81.7155, 86.5445, 76.0162

Tritanomaly

81.9466, 86.7860, 90.2742

Monochromacy



Original Color

76.8772, 86.9525, 64.9562

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.5097, 84.7863, 80.6341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8772, 86.9525, 64.9562 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(235, 245, 196) looks like.

```
.text, #text, p{  
    color:rgb(235, 245, 196)  
}
```

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(235, 245, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 245, 196) }
```

Border

The CSS property to change the border of an element to XYZ 76.8772, 86.9525, 64.9562 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(235, 245, 196) }
```


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

```
.border{ border-color:rgb(235, 245, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 245, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 245, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 245, 196);  
box-shadow:4px 4px 4px 4px rgb(235, 245,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8772, 86.9525, 64.9562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 245, 196) }
```

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

```
.background{ background-color: rgb(235,  
245, 196) }
```

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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