

Converting Colors

XYZ(72.2763, 83.3037, 64.7646)

Have a look what the booklet for
XYZ(72.2763, 83.3037, 64.7646)
contains.

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Color

**XYZ(72.1474, 83.1778,
64.4769)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF2C4
RGB	223, 242, 196
RGB Percent	87%, 95%, 77%
CMY	0.1255, 0.0510, 0.2314
CMYK	0.08, 0.00, 0.19, 0.05
HSL	85°, 64%, 86%
HSV	85°, 19%, 95%
XYZ	72.1474, 83.1778, 64.4769
YIQ	231.0750, 3.4420, -18.3340

Conversions

Conversions Part 2

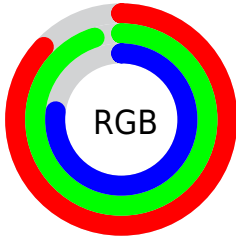
Format	Color
R_{YB}	196, 242, 215
Decimal	14676676
CIE _{Lab}	93.09, -14.12, 20.14
CIE _{LCh}	93, 24.598, 125.035
Yxy	83.1778, 0.3282, 0.3784
Android (android.graphics.Color)	4292866756 (0xFFDFF2C4)
YUV	231.0750, -17.2920, -7.0818
Hunter-Lab	91.2019, -18.3966, 21.9251

Details

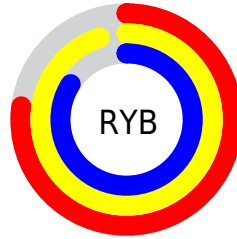
The XYZ color **72.1474, 83.1778, 64.4769** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.7946, 60.3400, 92.2934**, and the grayscale version is **76.1363, 80.1013, 87.2303**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **38.5898, 45.3956, 32.3195** is the 20% darker color. If you saturate the color by 10%, you get **66.6227, 80.6253, 50.9807**, and if you desaturate by 10%, it is **78.3028, 86.0091, 80.3253**.

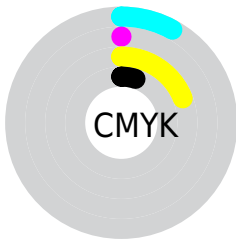
Distribution



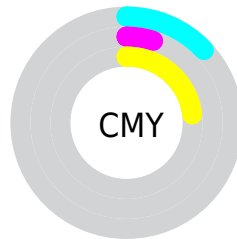
- Red (87%)
- Green (95%)
- Blue (77%)



- Red (77%)
- Yellow (95%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)



- Cyan (13%)
- Magenta (5%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1474, 83.1778, 64.4769 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 72.1474, 83.1778, 64.4769 by changing the saturation by 10% instead.

72.1474, 83.1778,
64.4769

72.1474, 83.1778,
64.4769

457.2042,
505.5789, 459.1644

53.5650, 62.3368,
46.5884

121.2757,
137.8245, 112.9035

38.4833, 45.3049,
32.3584

152.5524,
172.3989, 144.2787

26.5369, 31.6977,
21.3683

188.7911,
212.3201, 180.9866

17.3605, 21.1307,
13.1996

230.3574,
257.9722, 223.4456

10.5888, 13.2196,
7.4338

277.6164,
309.7398, 272.0744

5.8563, 7.5799,
3.6523

330.9337,

2.7977, 3.8273,

368.0071, 327.2914

1.4366

390.6745,
433.1587, 389.5153

■ 1.0477, 1.5775,
0.1700

■ 0.0000, 0.3423,
0.0000

■ 72.1474, 83.1778,
64.4769

■ 72.1474, 83.1778,
64.4769

■ 66.6227, 80.6253,
50.9807

■ 78.3028, 86.0091,
80.3253

■ 61.6978, 78.3305,
39.7191

■ 85.1051, 89.1179,
98.6252

■ 57.3485, 76.2863,
30.5727

■ 90.3096, 91.6092,
107.5303

■ 53.5465, 74.4809,
23.4086

■ 91.0438, 91.9877,
107.5646

■ 50.2603, 72.9014,
18.0788

■ 47.4544, 71.5331,
14.4149

■ 45.0873, 70.3590,
12.2170

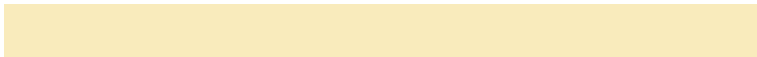
■ 43.0982, 69.3544,
11.1841

■ 42.9143, 69.2611,
11.1069

Harmonies

Analogous

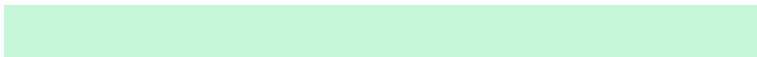
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9742, 83.1778, 59.5823



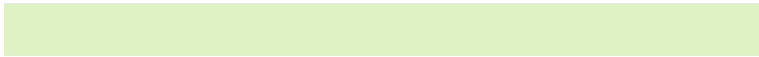
72.1474, 83.1778, 64.4769



68.3355, 83.1778, 76.3820

Triad

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



72.1474, 83.1778, 64.4769



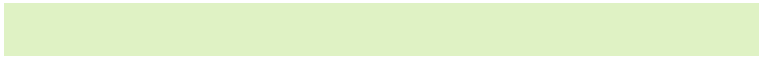
73.9362, 83.1778, 126.7483



92.0721, 83.1778, 87.4839

Complementary

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



72.1474, 83.1778, 64.4769



63.7946, 60.3400, 92.2934

Split Complementary

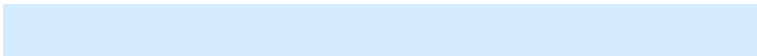
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8473, 83.1778, 106.4065



72.1474, 83.1778, 64.4769



80.1518, 83.1778, 130.7726

Square

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



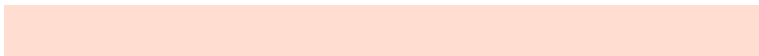
72.1474, 83.1778, 64.4769



69.3282, 83.1778, 112.5340



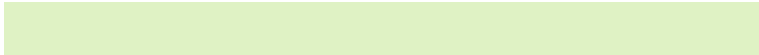
86.3964, 83.1778, 122.8868



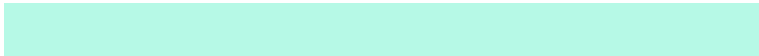
89.6580, 83.1778, 71.6617

Rectangle

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



72.1474, 83.1778, 64.4769



67.3308, 83.1778, 87.5257



86.3964, 83.1778, 122.8868



92.0735, 83.1778, 93.6769

Sweetspot

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



72.1496, 83.1814, 64.4787



90.3964, 97.8743, 96.3318



70.7328, 71.1615, 62.2333



19.2436, 20.9011, 20.3393



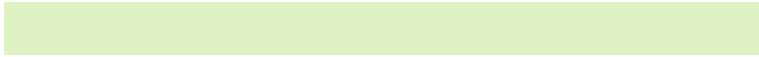
0.0000, 0.0000, 0.0000



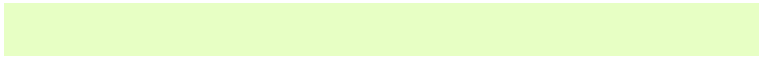
20.3446, 21.4041, 23.3091

Same Dimension

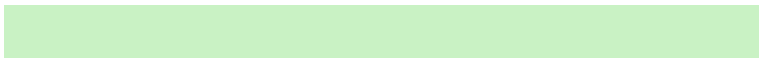
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1496, 83.1814, 64.4787



78.6448, 92.4723, 66.1376



65.6985, 79.8558, 64.1768



16.4550, 18.1147, 16.7789



23.2118, 37.2877, 5.9739



2.0438, 3.1601, 0.5022

Inverse Universe

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



63.7946, 60.3400, 92.2934



67.5598, 62.1641, 103.0458



70.8288, 63.9663, 92.6226



15.5158, 15.5476, 19.9048



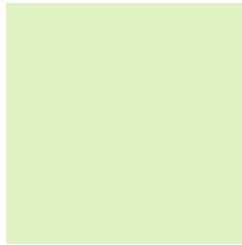
11.5783, 4.9742, 45.4777



1.0736, 0.4707, 3.7885

Previews

White Background



This preview shows how the XYZ color 72.1474, 83.1778, 64.4769 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 72.1474, 83.1778, 64.4769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

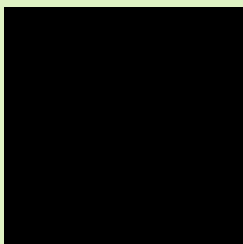
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

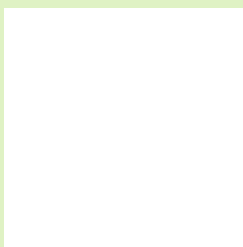
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1474, 83.1778, 64.4769

Background



This preview shows how black text looks on a background with the XYZ color 72.1474, 83.1778, 64.4769.

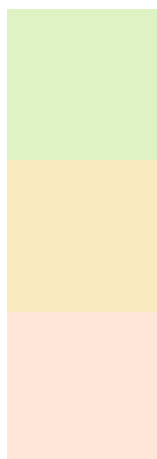


This preview shows how white text looks on a background with the XYZ color 72.1474, 83.1778,

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

72.1474, 83.1778, 64.4769

Protanopia

78.0042, 82.7911, 61.7382

Deuteranopia

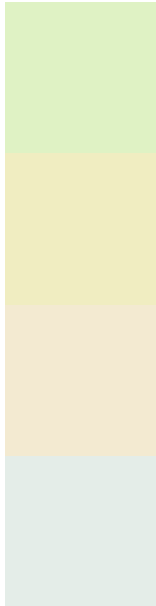
81.9315, 82.8115, 76.6317



Tritanopia

80.1074, 82.9264, 104.7128

Trichromacy



Original Color

72.1474, 83.1778, 64.4769

Protanomaly

75.8450, 82.9439, 62.4644

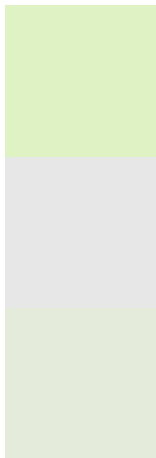
Deuteranomaly

77.8936, 82.5038, 72.1410

Tritanomaly

76.8446, 82.8885, 88.2929

Monochromacy



Original Color

72.1474, 83.1778, 64.4769

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.3581, 80.9726, 78.0398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1474, 83.1778, 64.4769 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(223, 242, 196)` looks like.

```
.text, #text, p{  
    color:rgb(223, 242, 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(223, 242, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 242, 196) }
```

Border

The CSS property to change the border of an element to XYZ 72.1474, 83.1778, 64.4769 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(223, 242, 196) }
```


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

```
.border{ border-color:rgb(223, 242, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 242, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 242, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 242, 196);  
box-shadow:4px 4px 4px 4px rgb(223, 242,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1474, 83.1778, 64.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 242, 196) }
```

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

```
.background{ background-color: rgb(223,  
242, 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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