

Converting Colors

XYZ(75.3006, 86.7660, 51.8204)

Have a look what the booklet for
XYZ(75.3006, 86.7660, 51.8204)
contains.

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Color

**XYZ(75.3272, 86.8946,
51.8319)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF6AC
RGB	237, 246, 172
RGB Percent	93%, 96%, 67%
CMY	0.0706, 0.0353, 0.3255
CMYK	0.04, 0.00, 0.30, 0.04
HSL	67°, 80%, 82%
HSV	67°, 30%, 96%
XYZ	75.3272, 86.8946, 51.8319
YIQ	234.8730, 18.3900, -24.9220

Conversions

Conversions Part 2

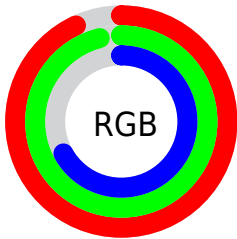
Format	Color
RYB	172, 246, 181
Decimal	15595180
CIELab	94.69, -14.42, 34.69
CIELCh	95, 37.566, 112.570
Yxy	86.8946, 0.3519, 0.4059
Android (android.graphics.Color)	4293785260 (0xFFEDF6AC)
YUV	234.8730, -30.9964, 1.8654
Hunter-Lab	93.2173, -18.8876, 32.2849

Details

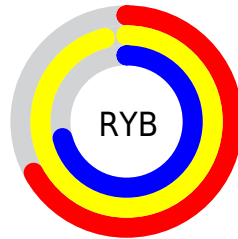
The XYZ color **75.3272, 86.8946, 51.8319** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.4465, 45.9849, 93.4109**, and the grayscale version is **79.0895, 83.2083, 90.6139**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **40.5656, 47.8621, 24.5530** is the 20% darker color. If you saturate the color by 10%, you get **72.1895, 85.5280, 40.4731**, and if you desaturate by 10%, it is **78.9234, 88.4525, 65.4985**.

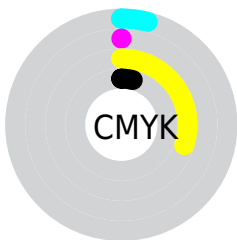
Distribution



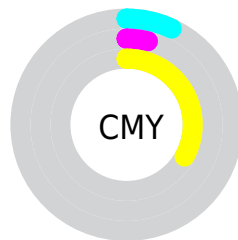
- Red (93%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (71%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3272, 86.8946, 51.8319 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 75.3272, 86.8946, 51.8319 by changing the saturation by 10% instead.


 75.3272, 86.8946,
51.8319

 75.3272, 86.8946,
51.8319


468.0213,
517.8765, 410.7258

 56.1761, 65.4080,
36.4898


 125.7609,
143.0172, 94.3073

 40.5817, 47.7920,
24.5200


157.7741,
178.4220, 122.2777

 28.1786, 33.6622,
15.5041


194.8055,
219.2350, 155.2947

 18.6015, 22.6342,
9.0234

237.2203,
265.8406, 193.7766

 11.4850, 14.3236,
4.6594

285.3840,
318.6231, 238.1422

 6.4637, 8.3461,
1.9936

339.6618,

 3.1724, 4.3172,

377.9670, 288.8098

0.5514

400.4191,
444.2566, 346.1982

■ 1.2456, 1.8525,
0.0000

■ 0.1419, 0.5196,
0.0000

■ 75.3272, 86.8946,
51.8319

■ 75.3272, 86.8946,
51.8319

■ 72.1895, 85.5280,
40.4731

■ 78.9234, 88.4525,
65.4985

■ 69.4795, 84.3314,
31.2893

■ 82.9939, 90.1991,
81.5849

■ 67.1727, 83.2980,
24.1427

■ 87.5617, 92.1466,
100.2024

■ 65.2394, 82.4159,
18.8775

■ 90.0657, 93.2705,
107.8638

63.6459, 81.6716,
15.3154

91.1413, 93.8249,
107.9141

62.3515, 81.0488,
13.2438

92.2339, 94.3882,
107.9652

61.2968, 80.5246,
12.3121

92.2476, 94.3953,
107.9659

Harmonies

Analogous

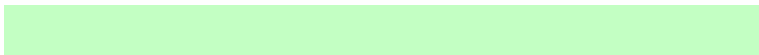
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1391, 86.8946, 49.3226



75.3272, 86.8946, 51.8319



68.0478, 86.8946, 64.5570

Triad

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



75.3272, 86.8946, 51.8319



71.2923, 86.8946, 146.2754



103.4845, 86.8946, 102.0234

Complementary

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



75.3272, 86.8946, 51.8319



50.4465, 45.9849, 93.4109

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.



99.0708, 86.8946, 132.7946



75.3272, 86.8946, 51.8319



80.0937, 86.8946, 161.5306

Square

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



75.3272, 86.8946, 51.8319



65.8548, 86.8946, 117.7179



90.3068, 86.8946, 156.1490



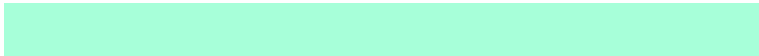
101.9460, 86.8946, 74.7490

Rectangle

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



75.3272, 86.8946, 51.8319



65.3415, 86.8946, 78.8458



90.3068, 86.8946, 156.1490



102.6362, 86.8946, 112.3544

Sweetspot

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



75.3294, 86.8985, 51.8337



90.5525, 98.0832, 90.5405



61.9048, 55.4726, 46.4755



19.2353, 20.9311, 18.7897



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

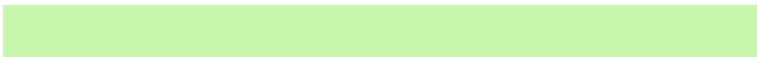
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3294, 86.8985, 51.8337



79.6375, 93.3739, 48.5700



64.3228, 81.2243, 51.3186



17.7046, 19.2053, 17.5714



32.7967, 43.0201, 6.5751



2.9372, 3.8093, 0.5805

Inverse Universe

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



50.4465, 45.9849, 93.4109



48.7212, 42.5269, 100.2484



60.1938, 51.0098, 93.8670



15.7685, 16.0233, 20.8043



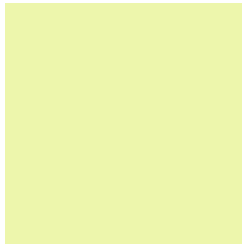
9.2243, 3.7296, 46.7717



0.8697, 0.3582, 4.1135

Previews

White Background



This preview shows how the XYZ color 75.3272, 86.8946, 51.8319 looks on a white background.

Color Contrast Check

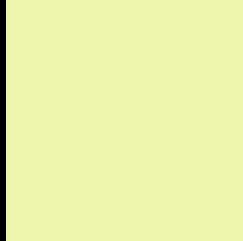
Large Text (above 18pt) WCAG AA × Fail

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 75.3272, 86.8946, 51.8319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

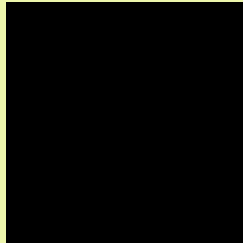
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

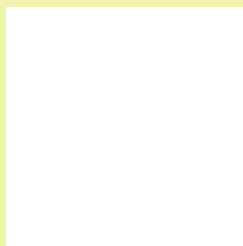
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.3272, 86.8946, 51.8319

Background



This preview shows how black text looks on a background with the XYZ color 75.3272, 86.8946, 51.8319.

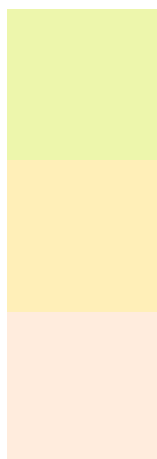


This preview shows how white text looks on a background with the XYZ color 75.3272, 86.8946,

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

75.3272, 86.8946, 51.8319

Protanopia

80.7582, 86.4537, 57.7782

Deuteranopia

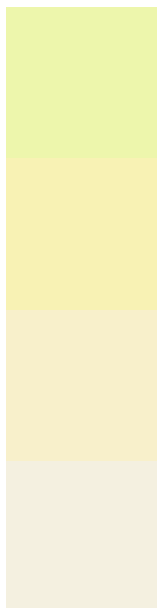
84.2866, 86.4714, 80.6549



Tritanopia

86.5962, 87.1031, 106.0144

Trichromacy



Original Color

75.3272, 86.8946, 51.8319

Protanomaly

78.7017, 86.7560, 55.7776

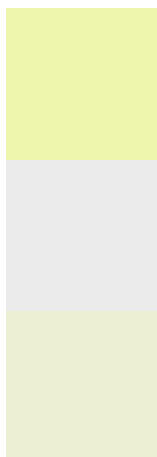
Deuteranomaly

80.6510, 86.5884, 68.9624

Tritanomaly

81.9229, 86.9351, 82.9834

Monochromacy



Original Color

75.3272, 86.8946, 51.8319

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.3422, 84.3193, 74.4862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3272, 86.8946, 51.8319 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(237, 246, 172)` looks like.

```
.text, #text, p{  
    color:rgb(237, 246, 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(237, 246, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 246, 172) }
```

Border

The CSS property to change the border of an element to XYZ 75.3272, 86.8946, 51.8319 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(237, 246, 172) }
```


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

```
.border{ border-color:rgb(237, 246, 172) }
```

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

Here you see how a box with a 4 pixel rgb(237, 246, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 246, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 246, 172);  
box-shadow:4px 4px 4px 4px rgb(237, 246,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3272, 86.8946, 51.8319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 246, 172) }
```

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

```
.background{ background-color: rgb(237,  
246, 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](#).

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