

Converting Colors

XYZ(73.0087, 83.0801, 49.2310)

Have a look what the booklet for
XYZ(73.0087, 83.0801, 49.2310)
contains.

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Color

**XYZ(73.1530, 83.1519,
49.2401)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF0A8
RGB	237, 240, 168
RGB Percent	93%, 94%, 66%
CMY	0.0706, 0.0588, 0.3412
CMYK	0.01, 0.00, 0.30, 0.06
HSL	63°, 71%, 80%
HSV	63°, 30%, 94%
XYZ	73.1530, 83.1519, 49.2401
YIQ	230.8950, 21.3240, -23.0280

Conversions

Conversions Part 2

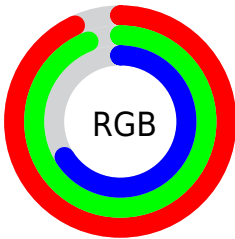
Format	Color
RYB	168, 240, 171
Decimal	15593640
CIELab	93.08, -11.96, 34.56
CIELCh	93, 36.568, 109.095
Yxy	83.1519, 0.3559, 0.4045
Android (android.graphics.Color)	4293783720 (0xFFEDF0A8)
YUV	230.8950, -31.0072, 5.3541
Hunter-Lab	91.1877, -16.3813, 31.8156

Details

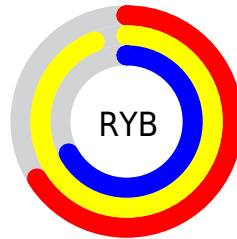
The XYZ color **73.1530, 83.1519, 49.2401** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.5286, 42.9566, 88.2821**, and the grayscale version is **76.0917, 80.0543, 87.1792**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **39.0574, 45.2221, 22.8898** is the 20% darker color. If you saturate the color by 10%, you get **70.7875, 82.1701, 38.5157**, and if you desaturate by 10%, it is **75.9373, 84.3073, 62.1415**.

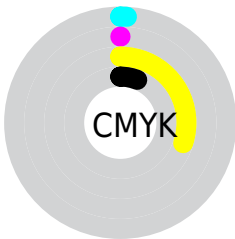
Distribution



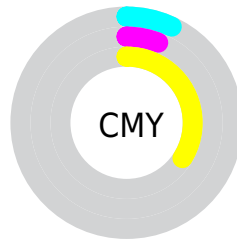
- Red (93%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (67%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)





- Cyan (7%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1530, 83.1519, 49.2401 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 73.1530, 83.1519, 49.2401 by changing the saturation by 10% instead.


 73.1530, 83.1519,
49.2401

 73.1530, 83.1519,
49.2401


460.6405,
505.4926, 400.3364

 54.3899, 62.3155,
34.4430


 122.6964,
137.7882, 90.4326

 39.1454, 45.2877,
22.9540


154.2073,
172.3568, 117.6652

 27.0541, 31.6841,
14.3546


190.6983,
212.2717, 149.8800

 17.7506, 21.1203,
8.2261

232.5346,
257.9171, 187.4955

 10.8697, 13.2120,
4.1502

280.0816,
309.6775, 230.9304

 6.0459, 7.5747,
1.7081

333.7047,

 2.9140, 3.8240,

367.9373, 280.6031

0.3663

393.7692,
433.0809, 336.9323

■ 1.1084, 1.5756,
0.0000

■ 0.0321, 0.3411,
0.0000

■ 73.1530, 83.1519,
49.2401

■ 73.1530, 83.1519,
49.2401

■ 70.7875, 82.1701,
38.5157

■ 75.9373, 84.3073,
62.1415

■ 68.8118, 81.3414,
29.8433


■ 79.1551, 85.6333,
77.3251


■ 67.2030, 80.6598,
23.0934


■ 82.8280, 87.1417,
94.8958


■ 65.9333, 80.1140,
18.1194


■ 85.4903, 88.2461,
107.1351


 64.9709, 79.6914,
14.7539

 85.8334, 88.4229,
107.1512

 64.2779, 79.3767,
12.7975

 86.1783, 88.6007,
107.1673

 63.7906, 79.1445,
11.9143

 86.5251, 88.7795,
107.1835

 86.8738, 88.9593,
107.1999

 87.2244, 89.1400,
107.2163

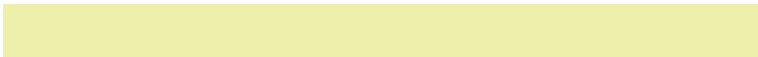
Harmonies

Analogous

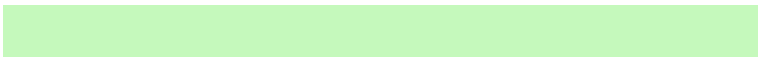
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5735, 83.1519, 47.9508



73.1530, 83.1519, 49.2401



65.8993, 83.1519, 60.1726

Triad

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



73.1530, 83.1519, 49.2401



67.5630, 83.1519, 136.6067



98.5590, 83.1519, 100.9013

Complementary

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



73.1530, 83.1519, 49.2401



46.5286, 42.9566, 88.2821

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.



93.8060, 83.1519, 129.7098



73.1530, 83.1519, 49.2401



75.5959, 83.1519, 152.9282

Square

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



73.1530, 83.1519, 49.2401



62.8569, 83.1519, 108.9374



85.2207, 83.1519, 150.1760



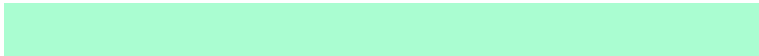
97.7713, 83.1519, 74.3371

Rectangle

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



73.1530, 83.1519, 49.2401



63.0280, 83.1519, 72.9711



85.2207, 83.1519, 150.1760



97.5419, 83.1519, 110.7203

Sweetspot

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



73.1551, 83.1556, 49.2419



91.2210, 98.4278, 90.5718



57.4557, 50.2542, 43.7187



19.4012, 21.0167, 18.7974



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

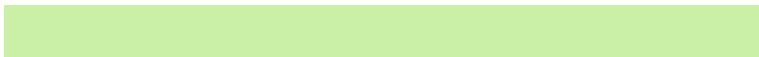
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1551, 83.1556, 49.2419



82.2328, 94.7118, 48.6914



62.4802, 77.6525, 48.7423



17.0539, 18.4234, 16.8070



34.9473, 43.3375, 6.5231



2.9274, 3.6156, 0.5436

Inverse Universe

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



46.5286, 42.9566, 88.2821



47.1260, 41.7045, 100.1737



55.2982, 47.4775, 88.6925



14.9583, 15.2602, 19.8787



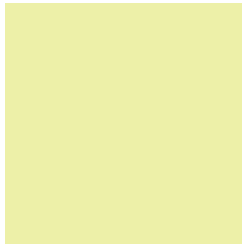
8.7058, 3.4934, 45.3433



0.7456, 0.3016, 3.7731

Previews

White Background



This preview shows how the XYZ color 73.1530, 83.1519, 49.2401 looks on a white background.

Color Contrast Check

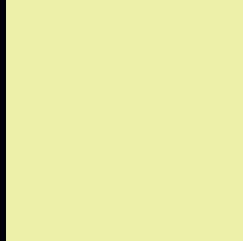
Large Text (above 18pt) WCAG AA × Fail

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 73.1530, 83.1519, 49.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

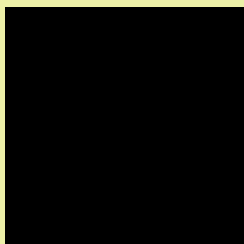
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.1530, 83.1519, 49.2401

Background



This preview shows how black text looks on a background with the XYZ color 73.1530, 83.1519, 49.2401.



This preview shows how white text looks on a background with the XYZ color 73.1530, 83.1519,

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

73.1530, 83.1519, 49.2401

Protanopia

77.0993, 83.0525, 48.0436

Deuteranopia

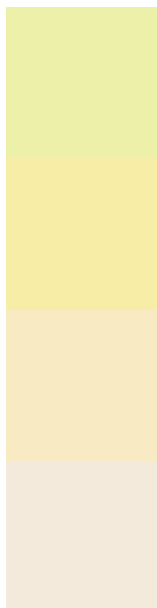
81.4488, 83.0650, 72.7131



Tritanopia

83.5979, 83.1451, 100.4495

Trichromacy



Original Color

73.1530, 83.1519, 49.2401

Protanomaly

75.6170, 83.1326, 48.6200

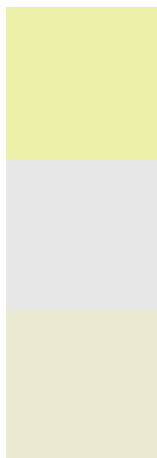
Deuteranomaly

77.9845, 82.7422, 63.4904

Tritanomaly

79.1711, 83.0148, 78.8685

Monochromacy



Original Color

73.1530, 83.1519, 49.2401

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.4123, 80.7233, 71.3337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1530, 83.1519, 49.2401 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, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 168)  
}
```

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, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 168) }
```

Border

The CSS property to change the border of an element to XYZ 73.1530, 83.1519, 49.2401 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, 240, 168) }
```


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

```
.border{ border-color:rgb(237, 240, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1530, 83.1519, 49.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 168) }
```

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

```
.background{ background-color: rgb(237,  
240, 168) }
```

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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