

Converting Colors

XYZ(72.8331, 83.7356, 51.7290)

Have a look what the booklet for
XYZ(72.8331, 83.7356, 51.7290)
contains.

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Color

**XYZ(72.8992, 83.8450,
51.8767)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F2AD
RGB	233, 242, 173
RGB Percent	91%, 95%, 68%
CMY	0.0863, 0.0510, 0.3216
CMYK	0.04, 0.00, 0.29, 0.05
HSL	68°, 73%, 81%
HSV	68°, 29%, 95%
XYZ	72.8992, 83.8450, 51.8767
YIQ	231.4430, 16.7850, -23.3670

Conversions

Conversions Part 2

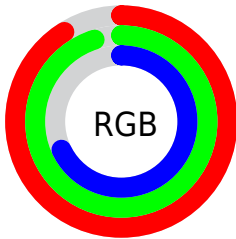
Format	Color
R_{YB}	173, 242, 182
Decimal	15332013
CIE _{Lab}	93.38, -13.80, 32.38
CIE _{LCh}	93, 35.201, 113.074
Yxy	83.8450, 0.3494, 0.4019
Android (android.graphics.Color)	4293522093 (0xFFE9F2AD)
YUV	231.4430, -28.8124, 1.3655
Hunter-Lab	91.5669, -18.1328, 30.5064

Details

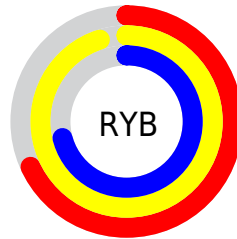
The XYZ color **72.8992, 83.8450, 51.8767** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.2652, 46.2453, 90.2861**, and the grayscale version is **76.4869, 80.4702, 87.6320**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **39.0805, 45.8210, 24.5539** is the 20% darker color. If you saturate the color by 10%, you get **69.7453, 82.4683, 40.5929**, and if you desaturate by 10%, it is **76.5000, 85.4084, 65.3988**.

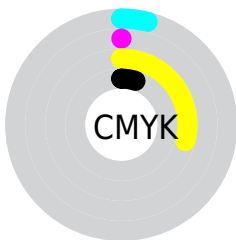
Distribution



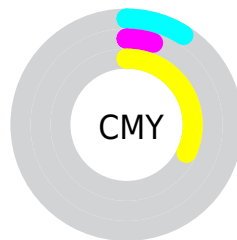
- Red (91%)
- Green (95%)
- Blue (68%)



- Red (68%)
- Yellow (95%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (29%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8992, 83.8450, 51.8767 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 72.8992, 83.8450, 51.8767 by changing the saturation by 10% instead.

72.8992, 83.8450,
51.8767

72.8992, 83.8450,
51.8767

459.7746,
507.7984, 410.9038

54.1816, 62.8875,
36.5252

122.3380,
138.7583, 94.3741

38.9781, 45.7502,
24.5472

153.7899,
173.4829, 122.3571

26.9234, 32.0487,
15.5241

190.2174,
213.5653, 155.3877

17.6520, 21.3987,
9.0373

231.9857,
259.3900, 193.8845

10.7986, 13.4158,
4.6684

279.4602,
311.3412, 238.2660

5.9978, 7.7155,
1.9987

333.0063,

2.8844, 3.9134,

369.8034, 288.9506

0.5545

392.9893,
435.1610, 346.3571

■ 1.0929, 1.6253,
0.0000

■ 0.0192, 0.3745,
0.0000

■ 72.8992, 83.8450,
51.8767

■ 72.8992, 83.8450,
51.8767

■ 69.7453, 82.4683,
40.5929

■ 76.5000, 85.4084,
65.3988

■ 67.0089, 81.2578,
31.4213

■ 80.5627, 87.1558,
81.2655

■ 64.6671, 80.2072,
24.2317

■ 85.1092, 89.0989,
99.5826

■ 62.6917, 79.3053,
18.8772

■ 87.6817, 90.2545,
107.4073

■ 61.0509, 78.5394,
15.1906

■ 88.7969, 90.8294,
107.4595

■ 59.7072, 77.8943,
12.9742

■ 89.9310, 91.4141,
107.5126

■ 58.6065, 77.3485,
11.9442

■ 91.0439, 91.9878,
107.5646

■ 58.4525, 77.2714,
11.8341

Harmonies

Analogous

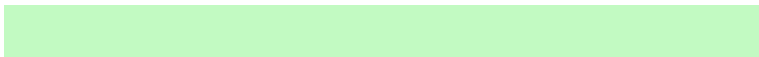
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8639, 83.8450, 49.3684



72.8992, 83.8450, 51.8767



66.2577, 83.8450, 63.8966

Triad

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



72.8992, 83.8450, 51.8767



69.4424, 83.8450, 138.5597



98.7571, 83.8450, 97.5968

Complementary

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



72.8992, 83.8450, 51.8767



50.2652, 46.2453, 90.2861

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.



94.8299, 83.8450, 125.5771



72.8992, 83.8450, 51.8767



77.5592, 83.8450, 152.0230

Square

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



72.8992, 83.8450, 51.8767



64.3728, 83.8450, 112.8294



86.8945, 83.8450, 146.8609



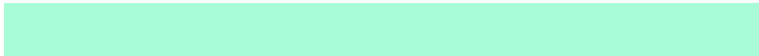
97.2674, 83.8450, 72.6878

Rectangle

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



72.8992, 83.8450, 51.8767



63.8065, 83.8450, 77.2045



86.8945, 83.8450, 146.8609



98.0172, 83.8450, 106.9988

Sweetspot

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



72.9013, 83.8487, 51.8785



90.4792, 98.0454, 90.5371



60.6977, 54.9647, 46.9465



19.2171, 20.9217, 18.7888



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

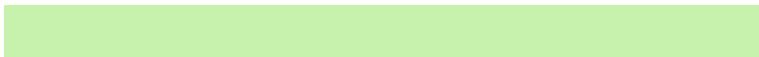
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9013, 83.8487, 51.8785



80.0548, 93.5351, 51.0272



62.9707, 78.7293, 51.4137



16.9081, 18.3483, 16.8001



31.4825, 41.5514, 6.3609



2.6750, 3.4855, 0.5318

Inverse Universe

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



50.2652, 46.2453, 90.2861



50.8410, 44.9934, 100.6127



59.1594, 50.8304, 90.7023



15.0890, 15.3276, 19.8849



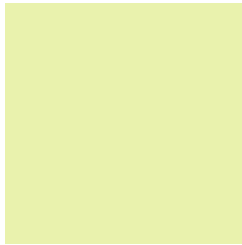
8.9856, 3.6377, 45.3564



0.8079, 0.3337, 3.7761

Previews

White Background



This preview shows how the XYZ color 72.8992, 83.8450, 51.8767 looks on a white background.

Color Contrast Check

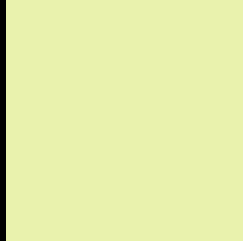
Large Text (above 18pt) WCAG AA × Fail

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 72.8992, 83.8450, 51.8767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

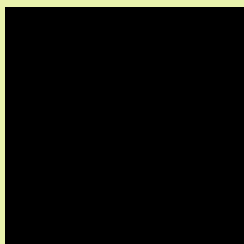
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

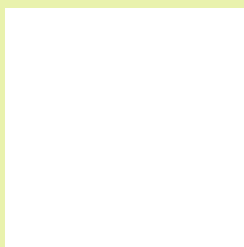
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8992, 83.8450, 51.8767

Background



This preview shows how black text looks on a background with the XYZ color 72.8992, 83.8450, 51.8767.

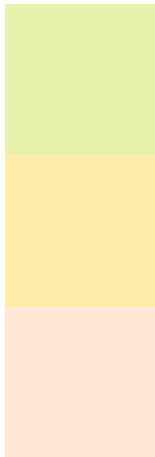


This preview shows how white text looks on a background with the XYZ color 72.8992, 83.8450,

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

72.8992, 83.8450, 51.8767

Protanopia

78.1242, 83.9640, 50.1193

Deuteranopia

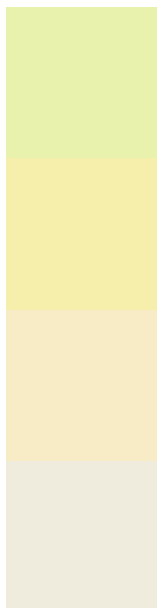
82.1069, 83.7773, 74.7939



Tritanopia

83.0741, 83.6700, 102.2139

Trichromacy



Original Color

72.8992, 83.8450, 51.8767

Protanomaly

75.9313, 83.6822, 50.6783

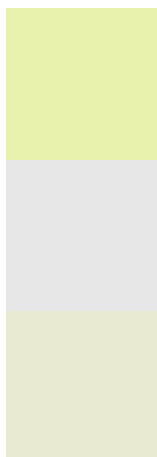
Deuteranomaly

78.5463, 83.8423, 65.4694

Tritanomaly

78.7769, 83.6156, 81.0947

Monochromacy



Original Color

72.8992, 83.8450, 51.8767

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.6199, 81.2256, 72.7180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8992, 83.8450, 51.8767 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(233, 242, 173)` looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 173)  
}
```

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(233, 242, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 173) }
```

Border

The CSS property to change the border of an element to XYZ 72.8992, 83.8450, 51.8767 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(233, 242, 173) }
```


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

```
.border{ border-color:rgb(233, 242, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 242, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 173);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8992, 83.8450, 51.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 173) }
```

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

```
.background{ background-color: rgb(233,  
242, 173) }
```

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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