

Converting Colors

XYZ(72.5654, 82.3915, 50.1096)

Have a look what the booklet for
XYZ(72.5654, 82.3915, 50.1096)
contains.

XYZ(72.7143, 82.4682, 50.1157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.7143, 82.4682,
50.1157)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEFAA
RGB	236, 239, 170
RGB Percent	93%, 94%, 67%
CMY	0.0745, 0.0627, 0.3333
CMYK	0.01, 0.00, 0.29, 0.06
HSL	63°, 68%, 80%
HSV	63°, 29%, 94%
XYZ	72.7143, 82.4682, 50.1157
YIQ	230.2370, 20.3610, -22.0950

Conversions

Conversions Part 2

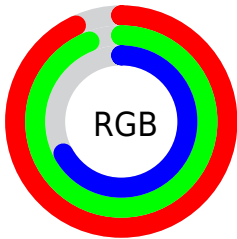
Format	Color
RYB	170, 239, 173
Decimal	15527850
CIELab	92.78, -11.59, 33.13
CIELCh	93, 35.102, 109.277
Yxy	82.4682, 0.3542, 0.4017
Android (android.graphics.Color)	4293717930 (0xFFECEFAA)
YUV	230.2370, -29.6968, 5.0542
Hunter-Lab	90.8120, -15.9938, 30.8485

Details

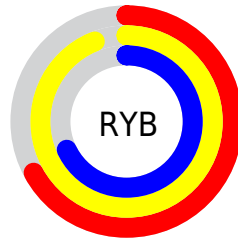
The XYZ color **72.7143, 82.4682, 50.1157** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.1914, 43.8678, 87.6462**, and the grayscale version is **75.5936, 79.5304, 86.6086**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **38.7348, 44.7350, 23.4228** is the 20% darker color. If you saturate the color by 10%, you get **70.3120, 81.4703, 39.2551**, and if you desaturate by 10%, it is **75.5339, 83.6390, 63.1446**.

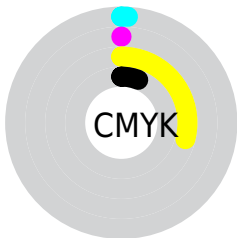
Distribution



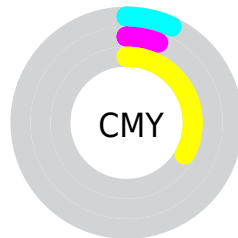
- Red (93%)
- Green (94%)
- Blue (67%)



- Red (67%)
- Yellow (94%)
- Blue (68%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7143, 82.4682, 50.1157 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 72.7143, 82.4682, 50.1157 by changing the saturation by 10% instead.

72.7143, 82.4682,
50.1157

72.7143, 82.4682,
50.1157

459.1432,
503.2125, 403.8663

54.0299, 61.7515,
35.1335

122.0769,
136.8304, 91.7443

38.8564, 44.8320,
23.4814

153.4857,
171.2447, 119.2279

26.8282, 31.3251,
14.7407

189.8669,
210.9937, 151.7156

17.5802, 20.8465,
8.4930

231.5856,
256.4617, 189.6261

10.7469, 13.0119,
4.3197

279.0072,
308.0332, 233.3779

5.9629, 7.4367,
1.8023

332.4971,

2.8630, 3.7367,

366.0926, 283.3895

0.4295

392.4206,
431.0242, 340.0794

■ 1.0817, 1.5274,
0.0000

■ 0.0097, 0.3079,
0.0000

■ 72.7143, 82.4682,
50.1157

■ 72.7143, 82.4682,
50.1157

■ 70.3120, 81.4703,
39.2551

■ 75.5339, 83.6390,
63.1446

■ 68.2984, 80.6253,
30.4403

■ 78.7851, 84.9797,
78.4452

■ 66.6512, 79.9271,
23.5444

■ 82.4893, 86.5019,
96.1205

■ 65.3433, 79.3648,
18.4244

■ 84.9095, 87.5107,
107.0238

64.3436, 78.9260,
14.9174

85.2643, 87.6936,
107.0404

63.6156, 78.5961,
12.8304

85.6211, 87.8776,
107.0571

63.1045, 78.3533,
11.8752

85.9800, 88.0626,
107.0739

63.0523, 78.3281,
11.7956

86.3409, 88.2487,
107.0908

86.7039, 88.4358,
107.1078

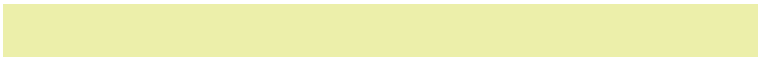
Harmonies

Analogous

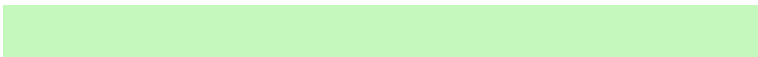
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7050, 82.4682, 48.8080



72.7143, 82.4682, 50.1157



65.7845, 82.4682, 60.7541

Triad

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



72.7143, 82.4682, 50.1157



67.4502, 82.4682, 133.6796



96.9839, 82.4682, 99.5053

Complementary

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



72.7143, 82.4682, 50.1157



47.1914, 43.8678, 87.6462

Split Complementary

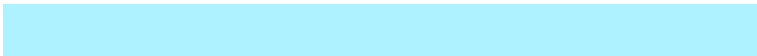
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4966, 82.4682, 126.8663



72.7143, 82.4682, 50.1157



75.1534, 82.4682, 148.9985

Square

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



72.7143, 82.4682, 50.1157



62.9129, 82.4682, 107.4877



84.3401, 82.4682, 146.2874



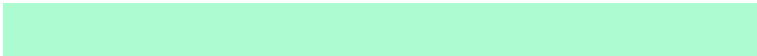
96.2028, 82.4682, 74.1568

Rectangle

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



72.7143, 82.4682, 50.1157



63.0443, 82.4682, 73.1088



84.3401, 82.4682, 146.2874



96.0286, 82.4682, 108.8419

Sweetspot

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



72.7164, 82.4719, 50.1174



91.2057, 98.4199, 90.5711



57.6647, 50.8745, 44.8118



19.3974, 21.0147, 18.7973



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

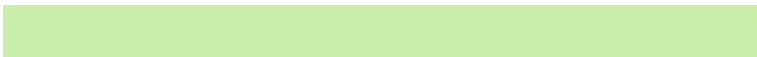
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7164, 82.4719, 50.1174



82.4441, 94.7941, 49.9081



62.5366, 77.2240, 49.6410



17.0509, 18.4219, 16.8068



34.8722, 43.2988, 6.5196



2.9220, 3.6128, 0.5433

Inverse Universe

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



47.1914, 43.8678, 87.6462



48.1402, 42.9074, 100.3524



55.6335, 48.2199, 88.0413



14.9609, 15.2616, 19.8789



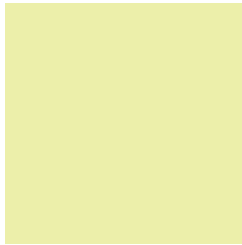
8.7100, 3.4955, 45.3435



0.7468, 0.3023, 3.7732

Previews

White Background



This preview shows how the XYZ color 72.7143, 82.4682, 50.1157 looks on a white background.

Color Contrast Check

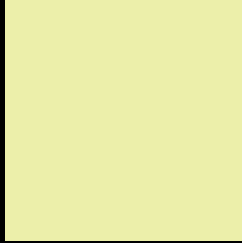
Large Text (above 18pt) WCAG AA × Fail

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 72.7143, 82.4682, 50.1157 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 72.7143, 82.4682, 50.1157

Background



This preview shows how black text looks on a background with the XYZ color 72.7143, 82.4682, 50.1157.

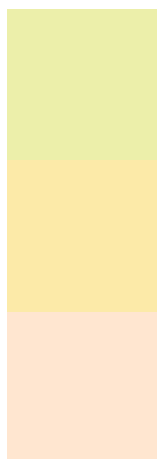


This preview shows how white text looks on a background with the XYZ color 72.7143, 82.4682,

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

72.7143, 82.4682, 50.1157

Protanopia

76.6356, 82.3682, 48.9053

Deuteranopia

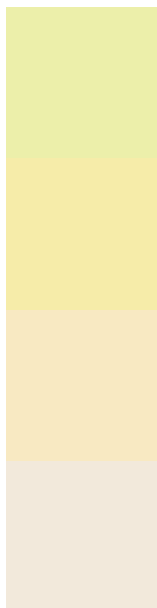
80.9220, 82.4077, 71.3157



Tritanopia

82.8138, 82.3469, 99.5255

Trichromacy



Original Color

72.7143, 82.4682, 50.1157

Protanomaly

75.1629, 82.4483, 49.4887

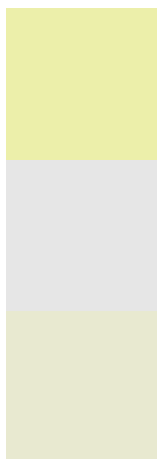
Deuteranomaly

77.5879, 82.1293, 62.8022

Tritanomaly

78.5430, 82.2695, 78.7578

Monochromacy



Original Color

72.7143, 82.4682, 50.1157

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.8028, 79.9877, 71.2239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7143, 82.4682, 50.1157 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(236, 239, 170)` looks like.

```
.text, #text, p{  
    color:rgb(236, 239, 170)  
}
```

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(236, 239, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 239, 170) }
```

Border

The CSS property to change the border of an element to XYZ 72.7143, 82.4682, 50.1157 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(236, 239, 170) }
```


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

```
.border{ border-color:rgb(236, 239, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 239, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 239, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 239, 170);  
box-shadow:4px 4px 4px 4px rgb(236, 239,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7143, 82.4682, 50.1157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 239, 170) }
```

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

```
.background{ background-color: rgb(236,  
239, 170) }
```

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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