

# Converting Colors

XYZ(71.9509, 81.7400, 55.9053)

Have a look what the booklet for  
XYZ(71.9509, 81.7400, 55.9053)  
contains.

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# Color

**XYZ(72.1620, 82.0581,  
55.7515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7EFB5
RGB	231, 239, 181
RGB Percent	91%, 94%, 71%
CMY	0.0941, 0.0627, 0.2902
CMYK	0.03, 0.00, 0.24, 0.06
HSL	68°, 64%, 82%
HSV	68°, 24%, 94%
XYZ	72.1620, 82.0581, 55.7515
YIQ	229.9960, 13.8500, -19.7340

# Conversions

## Conversions Part 2

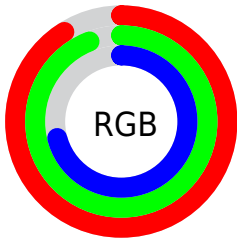
Format	Color
<a href="#">RYB</a>	<a href="#">181, 239, 189</a>
Decimal	<a href="#">15200181</a>
CIELab	<a href="#">92.60, -11.97, 27.24</a>
CIElCh	<a href="#">93, 29.753, 113.724</a>
Yxy	<a href="#">82.0581, 0.3437, 0.3908</a>
Android (android.graphics.Color)	<a href="#">4293390261 (0xFFE7EFB5)</a>
YUV	<a href="#">229.9960, -24.1550, 0.8805</a>
Hunter-Lab	<a href="#">90.5859, -16.3298, 26.9199</a>

# Details

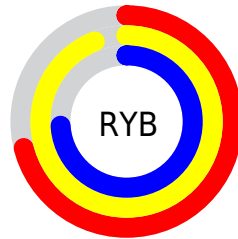
The XYZ color **72.1620, 82.0581, 55.7515** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.0932, 50.1007, 88.5380**, and the grayscale version is **75.3786, 79.3041, 86.3622**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **38.5090, 44.5394, 26.9894** is the 20% darker color. If you saturate the color by 10%, you get **68.8632, 80.6195, 43.8754**, and if you desaturate by 10%, it is **75.9059, 83.6826, 69.8477**.

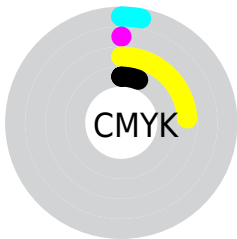
# Distribution



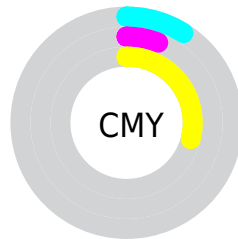
- Red (91%)
- Green (94%)
- Blue (71%)



- Red (71%)
- Yellow (94%)
- Blue (74%)



- Cyan (3%)
- Magenta (0%)
- Yellow (24%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1620, 82.0581, 55.7515 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 72.1620, 82.0581, 55.7515 by changing the saturation by 10% instead.



72.1620, 82.0581,  
55.7515

72.1620, 82.0581,  
55.7515

457.2542,  
501.8420, 426.1163

53.5770, 61.4134,  
39.6011

121.2964,  
136.2555, 100.1233

38.4929, 44.5589,  
26.9162

152.5764,  
170.5770, 129.1818

26.5444, 31.1101,  
17.2784

188.8189,  
210.2262, 163.3800

17.3662, 20.6827,  
10.2691

230.3890,  
255.5875, 203.1365

10.5928, 12.8923,  
5.4698

277.6523,  
307.0454, 248.8698

5.8590, 7.3544,  
2.4620

330.9740,

2.7994, 3.6847,

364.9842, 300.9986

0.8199

390.7195,  
429.7882, 359.9412

■ 1.0486, 1.4988,  
0.0000

■ 0.0000, 0.2879,  
0.0000

■ 72.1620, 82.0581,  
55.7515

■ 72.1620, 82.0581,  
55.7515

■ 68.8632, 80.6195,  
43.8754

■ 75.9059, 83.6826,  
69.8477

■ 65.9814, 79.3473,  
34.1011


■ 80.1086, 85.4902,  
86.2639


■ 63.4955, 78.2357,  
26.3073


■ 84.7909, 87.4920,  
105.1000


■ 61.3794, 77.2743,  
20.3582


■ 86.2941, 88.2244,  
107.0886

 59.6040, 76.4514,  
16.1008


 87.4503, 88.8204,  
107.1427


 58.1356, 75.7536,  
13.3578

 88.6270, 89.4271,  
107.1977

 56.9328, 75.1643,  
11.9123

 89.8244, 90.0444,  
107.2538

 56.3274, 74.8611,  
11.4809

 90.1582, 90.2164,  
107.2694

# Harmonies

## Analogous

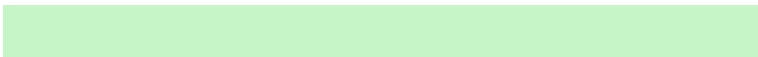
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6309, 82.0581, 53.3451



72.1620, 82.0581, 55.7515



66.6081, 82.0581, 66.4414

# Triad

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



72.1620, 82.0581, 55.7515



69.5211, 82.0581, 128.2709



93.7304, 82.0581, 94.0849

# Complementary

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



72.1620, 82.0581, 55.7515



53.0932, 50.1007, 88.5380

# Split Complementary

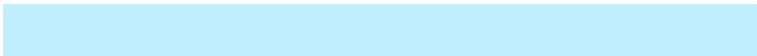
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6081, 82.0581, 116.9920



72.1620, 82.0581, 55.7515



76.3792, 82.0581, 138.7239

# Square

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



72.1620, 82.0581, 55.7515



65.1553, 82.0581, 107.6024



84.1315, 82.0581, 134.2882



92.4167, 82.0581, 73.2833

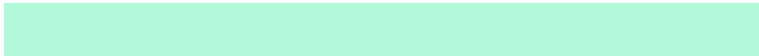


# Rectangle

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



72.1620, 82.0581, 55.7515



64.5710, 82.0581, 77.9338



84.1315, 82.0581, 134.2882



93.1586, 82.0581, 101.8241

# Sweetspot

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



72.1641, 82.0617, 55.7532



91.4075, 98.4390, 94.4186



62.0801, 57.9697, 51.6345



19.5005, 21.0423, 19.9560



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.



72.1641, 82.0617, 55.7532



81.6900, 94.2337, 57.6264



63.6392, 77.6670, 55.3543



16.8959, 18.3420, 16.7996



31.2095, 41.4106, 6.3481



2.6549, 3.4752, 0.5308



# Inverse Universe

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



53.0932, 50.1007, 88.5380



56.1343, 51.3977, 101.5699



60.9402, 54.1460, 88.9052



15.1001, 15.3333, 19.8854



9.0192, 3.6549, 45.3580

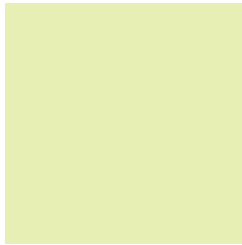


0.8132, 0.3365, 3.7763



# Previews

## White Background



This preview shows how the XYZ color 72.1620, 82.0581, 55.7515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

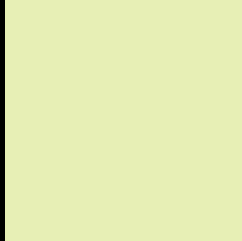
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1620, 82.0581, 55.7515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

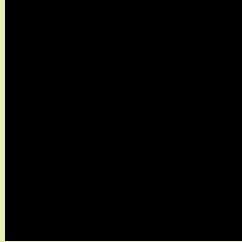
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

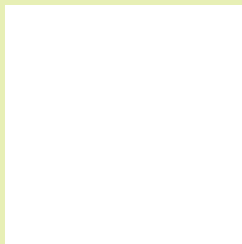
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1620, 82.0581, 55.7515**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1620, 82.0581, 55.7515.



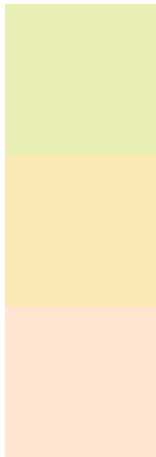
This preview shows how white text looks on a background with the XYZ color 72.1620, 82.0581,



# 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

72.1620, 82.0581, 55.7515

### Protanopia

76.5991, 81.8162, 53.8744

### Deuteranopia

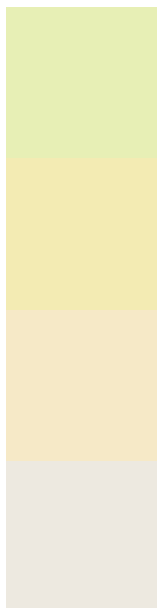
80.8922, 81.9518, 72.5276



## Tritanopia

81.1753, 81.8962, 100.3361

# Trichromacy



## Original Color

72.1620, 82.0581, 55.7515

## Protanomaly

74.8072, 81.7260, 54.4798

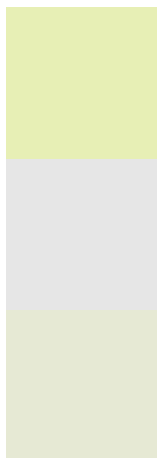
## Deuteranomaly

77.4538, 81.9942, 65.7770

## Tritanomaly

77.5185, 81.6642, 82.1981

# Monochromacy



## Original Color

72.1620, 82.0581, 55.7515

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.6557, 79.8543, 73.8187

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1620, 82.0581, 55.7515 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(231, 239, 181)` looks like.

```
.text, #text, p{  
    color:rgb(231, 239, 181)  
}
```

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(231, 239, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 239, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1620, 82.0581, 55.7515 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(231, 239, 181) }
```



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

```
.border{ border-color:rgb(231, 239, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 239, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 239, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 239, 181); box-shadow:4px 4px 4px 4px rgb(231, 239, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1620, 82.0581, 55.7515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 239, 181) }
```

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

```
.background{ background-color: rgb(231,  
239, 181) }
```

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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