

# Converting Colors

XYZ(72.7590, 82.4616, 45.9659)

Have a look what the booklet for  
XYZ(72.7590, 82.4616, 45.9659)  
contains.

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# Color

**XYZ(72.8961, 82.6569,  
45.8306)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEFA1
RGB	239, 239, 161
RGB Percent	94%, 94%, 63%
CMY	0.0627, 0.0627, 0.3686
CMYK	0.00, 0.00, 0.33, 0.06
HSL	60°, 71%, 78%
HSV	60°, 33%, 94%
XYZ	72.8961, 82.6569, 45.8306
YIQ	230.1080, 25.0380, -24.2580

# Conversions

## Conversions Part 2

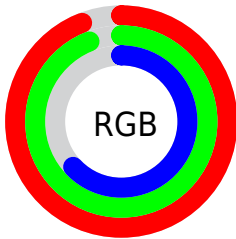
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 239, 161
Decimal	15724449
CIE <sub>Lab</sub>	92.86, -11.56, 37.81
CIE <sub>LCh</sub>	93, 39.539, 107.007
Yxy	82.6569, 0.3620, 0.4104
Android (android.graphics.Color)	4293914529 (0xFFEFEFA1)
YUV	230.1080, -34.0702, 7.7983
Hunter-Lab	90.9158, -15.9819, 33.7530

# Details

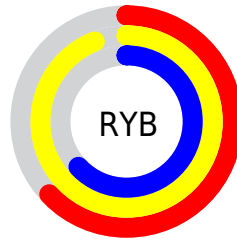
The XYZ color **72.8961, 82.6569, 45.8306** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.0259, 39.3009, 86.9842**, and the grayscale version is **75.5268, 79.4601, 86.5321**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **38.9317, 44.8948, 20.8010** is the 20% darker color. If you saturate the color by 10%, you get **70.9870, 81.8961, 35.7714**, and if you desaturate by 10%, it is **75.2123, 83.5864, 58.0150**.

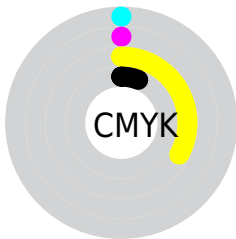
# Distribution



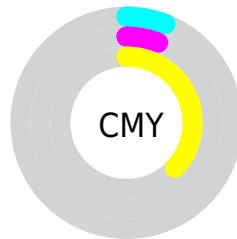
- Red (94%)
- Green (94%)
- Blue (63%)



- Red (63%)
- Yellow (94%)
- Blue (63%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (6%)




- Cyan (6%)
- Magenta (6%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8961, 82.6569, 45.8306 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 72.8961, 82.6569, 45.8306 by changing the saturation by 10% instead.





 72.8961, 82.6569,  
45.8306


 72.8961, 82.6569,  
45.8306


459.7640,  
503.8423, 386.3850

 54.1791, 61.9071,  
31.7645


 122.3336,  
137.0948, 85.2970

 38.9761, 44.9577,  
20.9183


 153.7848,  
171.5518, 111.5344

 26.9218, 31.4241,  
12.8737


190.2115,  
211.3466, 142.6659

 17.6508, 20.9220,  
7.2119

231.9790,  
256.8637, 179.1102

 10.7977, 13.0670,  
3.5145

279.4526,  
308.4874, 221.2857

 5.9973, 7.4747,  
1.3630

332.9978,

 2.8841, 3.7607,

366.6021, 269.6109

0.1126

392.9798,  
431.5923, 324.5045

■ 1.0927, 1.5406,  
0.0000

■ 0.0190, 0.3171,  
0.0000

■ 72.8961, 82.6569,  
45.8306

■ 72.8961, 82.6569,  
45.8306

■ 70.9870, 81.8961,  
35.7714

■ 75.2123, 83.5864,  
58.0150

■ 69.4557, 81.2835,  
27.7108

■ 77.9505, 84.6817,  
72.4311

■ 68.2789, 80.8127,  
21.5173

■ 81.1326, 85.9546,  
89.1843

■ 67.4282, 80.4723,  
17.0409

■ 84.5174, 87.3086,  
107.0054

■ 66.8708, 80.2493,  
14.1090

■ 84.5181, 87.3090,  
107.0055

■ 66.5671, 80.1278,  
12.5130

■ 84.5187, 87.3093,  
107.0055

■ 66.4607, 80.0852,  
11.9551

■ 84.5193, 87.3096,  
107.0055

■ 84.5200, 87.3099,  
107.0056

■ 84.5206, 87.3103,  
107.0056

# Harmonies

## Analogous

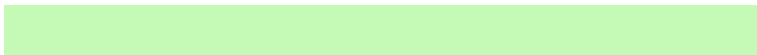
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1131, 82.6569, 45.1762



72.8961, 82.6569, 45.8306



64.9136, 82.6569, 56.5192

# Triad

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



72.8961, 82.6569, 45.8306



65.7837, 82.6569, 138.3405



99.5465, 82.6569, 103.4021

# Complementary

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



72.8961, 82.6569, 45.8306



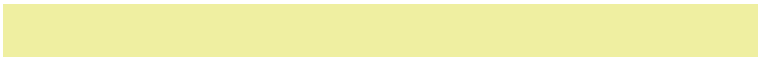
43.0259, 39.3009, 86.9842

# 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.



94.0028, 82.6569, 134.6221



72.8961, 82.6569, 45.8306



74.1819, 82.6569, 157.5741

# Square

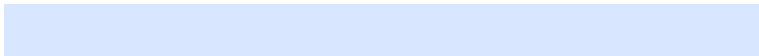
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8961, 82.6569, 45.8306



61.0608, 82.6569, 107.6813



84.5160, 82.6569, 156.0809



99.1255, 82.6569, 74.3673

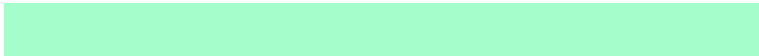


# Rectangle

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



72.8961, 82.6569, 45.8306



61.6624, 82.6569, 69.5603



84.5160, 82.6569, 156.0809



98.2996, 82.6569, 114.0946

# Sweetspot

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



72.8982, 82.6606, 45.8323



91.2121, 98.4647, 88.6935



54.7772, 46.4157, 39.7914



19.4168, 21.0330, 18.4241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

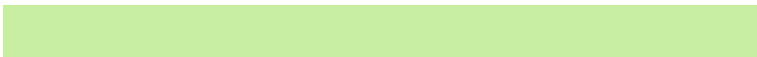
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8982, 82.6606, 45.8323



82.9599, 95.1636, 45.2490



61.1221, 76.5899, 45.2812



17.1228, 18.4590, 16.8102



36.7256, 44.2543, 6.6063



3.0553, 3.6816, 0.5496



# Inverse Universe

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



43.0259, 39.3009, 86.9842



43.4880, 37.8701, 99.6253



52.1468, 44.0029, 87.4111



14.8974, 15.2288, 19.8759



8.6100, 3.4440, 45.3388

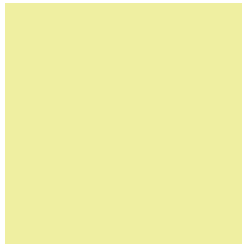


0.7163, 0.2865, 3.7718



# Previews

## White Background



This preview shows how the XYZ color 72.8961, 82.6569, 45.8306 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

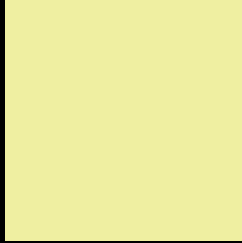
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8961, 82.6569, 45.8306 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

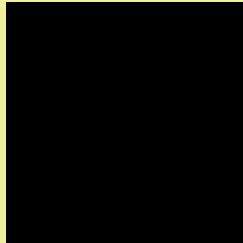
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.8961, 82.6569, 45.8306**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8961, 82.6569, 45.8306.



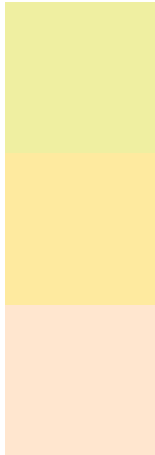
This preview shows how white text looks on a background with the XYZ color 72.8961, 82.6569,



# 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

72.8961, 82.6569, 45.8306

### Protanopia

76.5539, 82.4197, 44.6747

### Deuteranopia

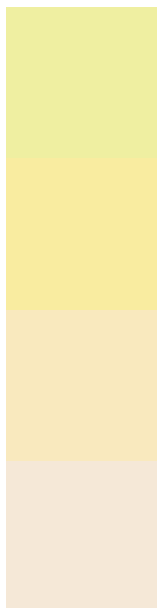
80.7993, 82.3586, 70.6697



## Tritanopia

83.4449, 82.2804, 98.6725

# Trichromacy



## Original Color

72.8961, 82.6569, 45.8306

## Protanomaly

75.4075, 82.6687, 45.2400

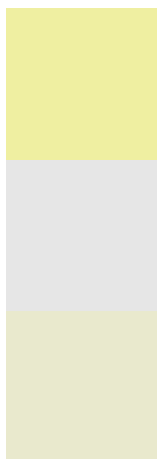
## Deuteranomaly

77.5001, 82.1353, 60.4842

## Tritanomaly

78.7785, 82.0320, 75.9717

# Monochromacy



## Original Color

72.8961, 82.6569, 45.8306

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.7626, 80.0092, 69.3132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8961, 82.6569, 45.8306 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(239, 239, 161)` looks like.

```
.text, #text, p{  
    color:rgb(239, 239, 161)  
}
```

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(239, 239, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 239, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8961, 82.6569, 45.8306 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(239, 239, 161) }
```



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

```
.border{ border-color:rgb(239, 239, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 239, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 239, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 239, 161); box-shadow:4px 4px 4px 4px rgb(239, 239, 161) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8961, 82.6569, 45.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 239, 161) }
```

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

```
.background{ background-color: rgb(239,  
239, 161) }
```

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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