

# Converting Colors

XYZ(72.9091, 89.4617, 30.8590)

Have a look what the booklet for  
XYZ(72.9091, 89.4617, 30.8590)  
contains.

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# **Color**

**XYZ(72.7160, 89.2446,  
30.8462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFD77
RGB	235, 253, 119
RGB Percent	92%, 99%, 47%
CMY	0.0784, 0.0078, 0.5333
CMYK	0.07, 0.00, 0.53, 0.01
HSL	68°, 97%, 73%
HSV	68°, 53%, 99%
XYZ	72.7160, 89.2446, 30.8462
YIQ	232.3420, 32.2860, -45.4900

# Conversions

## Conversions Part 2

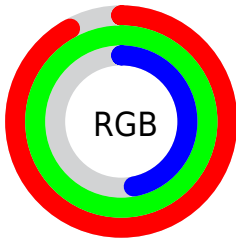
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 253, 137
Decimal	15465847
CIELab	95.68, -24.09, 61.20
CIElCh	96, 65.773, 111.486
Yxy	89.2446, 0.3771, 0.4629
Android (android.graphics.Color)	4293655927 (0xFFEBFD77)
YUV	232.3420, -55.8776, 2.3311
Hunter-Lab	94.4694, -27.9244, 46.7691

# Details

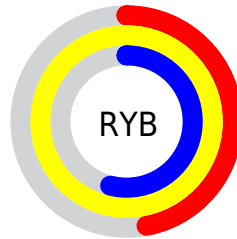
The XYZ color **72.7160, 89.2446, 30.8462** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **34.6462, 25.6061, 96.0502**, and the grayscale version is **77.3489, 81.3771, 88.6196**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **38.7968, 49.1971, 12.3017** is the 20% darker color. If you saturate the color by 10%, you get **70.2833, 88.1463, 23.8296**, and if you desaturate by 10%, it is **75.5788, 90.5238, 39.9972**.

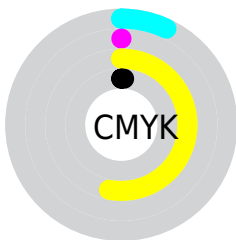
# Distribution



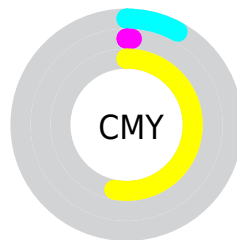
- Red (92%)
- Green (99%)
- Blue (47%)



- Red (47%)
- Yellow (99%)
- Blue (54%)



- Cyan (7%)
- Magenta (0%)
- Yellow (53%)
- Black (1%)



- Cyan (8%)
- Magenta (1%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7160, 89.2446, 30.8462 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 72.7160, 89.2446, 30.8462 by changing the saturation by 10% instead.



72.7160, 89.2446,  
30.8462

72.7160, 89.2446,  
30.8462

459.1490,  
525.5705, 320.1584

54.0313, 67.3543,  
20.2243

122.0793,  
146.2887, 62.0746

38.8575, 49.3726,  
12.3725

153.4885,  
182.2112, 83.5181

26.8291, 34.9151,  
6.8723

189.8701,  
223.5800, 109.4060

17.5808, 23.5975,  
3.3051

231.5892,  
270.7793, 140.1566

10.7473, 15.0353,  
1.2525

279.0113,  
324.1936, 176.1887

5.9632, 8.8442,  
0.0224

332.5018,

2.8632, 4.6397,

384.2073, 217.9206

0.0000

392.4258,  
451.2048, 265.7710

■ 1.0818, 2.0374,  
0.0000

■ 0.0098, 0.6291,  
0.0000

■ 72.7160, 89.2446,  
30.8462

■ 72.7160, 89.2446,  
30.8462

■ 70.2833, 88.1463,  
23.8296

■ 75.5788, 90.5238,  
39.9972

■ 68.2414, 87.2036,  
18.7688

■ 78.8947, 91.9836,  
51.4311

■ 66.5543, 86.4052,  
15.4654

■ 82.6926, 93.6387,  
65.2897

■ 65.1758, 85.7327,  
13.6767

■ 86.9970, 95.4989,  
81.7015

■ 64.3433, 85.3159,  
13.0764

■ 91.8306, 97.5733,  
100.7862

■ 94.4173, 98.7345,  
108.6891

# Harmonies

## Analogous

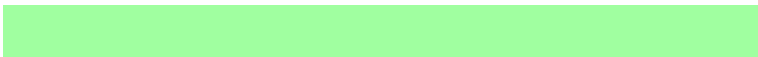
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0766, 89.2446, 28.2153



72.7160, 89.2446, 30.8462



60.4240, 89.2446, 47.4199

# Triad

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



72.7160, 89.2446, 30.8462



64.9634, 89.2446, 197.7648



124.0657, 89.2446, 112.6723

# Complementary

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



72.7160, 89.2446, 30.8462



34.6462, 25.6061, 96.0502

# 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.



115.0416, 89.2446, 173.3020



72.7160, 89.2446, 30.8462



79.7803, 89.2446, 232.6634

# Square

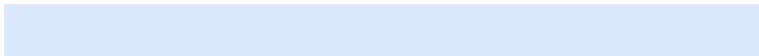
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7160, 89.2446, 30.8462



56.4106, 89.2446, 138.3977



98.2073, 89.2446, 222.3974



121.4644, 89.2446, 65.0729



# Rectangle

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



72.7160, 89.2446, 30.8462



55.9419, 89.2446, 68.8591



98.2073, 89.2446, 222.3974



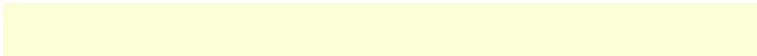
122.2498, 89.2446, 132.3442

# Sweetspot

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



72.7181, 89.2487, 30.8481



87.1748, 96.6202, 77.8073



52.7676, 40.0705, 22.4072



18.4637, 20.5964, 15.9068



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.



72.7181, 89.2487, 30.8481



71.3102, 89.6246, 23.6203



54.6352, 79.9265, 30.0018



19.3070, 20.9597, 19.1724



34.3172, 45.4293, 6.9600



3.4050, 4.4561, 0.6806



# Inverse Universe

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



34.6462, 25.6061, 96.0502



28.7642, 18.3990, 96.6431



49.1947, 33.1061, 96.7310



17.2299, 17.4947, 22.7187



9.8499, 3.9883, 49.6853



1.0255, 0.4226, 4.8408



# Previews

## White Background



This preview shows how the XYZ color 72.7160, 89.2446, 30.8462 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 72.7160, 89.2446, 30.8462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

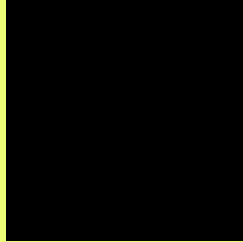
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.7160, 89.2446, 30.8462**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7160, 89.2446, 30.8462.



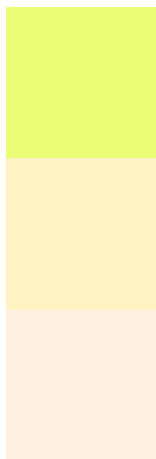
This preview shows how white text looks on a background with the XYZ color 72.7160, 89.2446,



# 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

72.7160, 89.2446, 30.8462

### Protanopia

82.8425, 88.7044, 64.3852

### Deuteranopia

85.8546, 88.9620, 83.1674



## Tritanopia

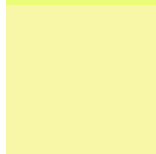
87.9834, 89.0927, 107.1671

# Trichromacy



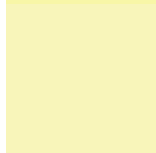
## Original Color

72.7160, 89.2446, 30.8462



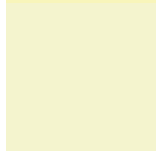
## Protanomaly

78.6422, 88.6580, 49.5270



## Deuteranomaly

80.2267, 88.8064, 59.3673



## Tritanomaly

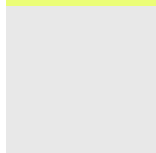
80.7995, 88.3907, 71.1950

# Monochromacy



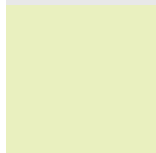
## Original Color

72.7160, 89.2446, 30.8462



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.1683, 83.4054, 61.4800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7160, 89.2446, 30.8462 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(235, 253, 119)` looks like.

```
.text, #text, p{  
    color:rgb(235, 253, 119)  
}
```

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(235, 253, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 253, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7160, 89.2446, 30.8462 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(235, 253, 119) }
```



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

```
.border{ border-color:rgb(235, 253, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 253, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 253, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 253, 119);  
box-shadow:4px 4px 4px 4px rgb(235, 253,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7160, 89.2446, 30.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 253, 119) }
```

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

```
.background{ background-color: rgb(235,  
253, 119) }
```

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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